Index to News

A

Academy of Feline Practice
Feline research award slated for 1997, 6

American Antivivisection Society
NIH responds to monoclonal antibody petition, 1356

American Association of Equine Practitioners
Bony lesion study announced by AAEP, 571
AAEP calls for proposals, 797
Grants fund equine lecture, research, 1049

American Association of Feline Practitioners
Feline research award slated for 1997, 6

American Association of Veterinary Immunologists
CRWAD dedicated to Hanson, 5

American Association of Veterinary Physiologists and Pharmacologists
CRWAD dedicated to Hanson, 5

American Board of Veterinary Toxicologists
ABVT will host NOAH seminar, 6

American College of Veterinary Internal Medicine
ACVIM diplomates welcomed, 117

American College of Veterinary Microbiology
CRWAD dedicated to Hanson, 5
Diplomates certified in ophthalmology, microbiology, pathology, 209

American College of Veterinary Nutrition
Hill's provides funds for clinical nutrition positions, 1357

American College of Veterinary Ophthalmology
Diplomates certified in ophthalmology, microbiology, pathology, 209

American College of Veterinary Pathologists
Diplomates certified in ophthalmology, microbiology, pathology, 209
Pathologists certified, 1182

American College of Veterinary Preventive Medicine
CRWAD dedicated to Hanson, 5

American College of Zoological Medicine
New diplomates, 333

American Journal of Veterinary Research
Call for *AJVR* reviewers, 689
Call issued for *AJVR* reviewers, 796
Manuscript processing fee for *AJVR* to increase, 1356

American Kennel Club Canine Health Foundation
AKC funds canine cardiology studies, 937
Call for preproposals on canine diseases, 1181

American Veterinary Medical Foundation
Foundation awards 1997 grants, 209
Research proposals invited for AVMF funding, 571
AVMF names research award recipients, 796

Amphibians
Funding available for reptile, amphibian research, 572

Anesthesiology
Abstract presentations recognized, 6

Animal Care
WARDS: promoting refinement in animal care, 937

Animal Health
Fellowship applications welcome, 1181

Animal Health Institute
AHI membership opens to affiliated businesses, 332

Animal Liberation Front
ALF suspected again in UC-Davis fire, 1126

Animal Medical Center
AVMF names research award recipients
Excellence Awards, 796

Animal Research
Research animals benefit from tougher US regulations, 116

Animal Welfare
Cornell opens Institute for Animal Welfare, 572
Heuschele receives service award, 1357

Antibodies, Monoclonal
NIH responds to monoclonal antibody petition, 1356

Appointments
Gibson named KSU alumni fellow, 688
Johnston honored for leadership efforts, 688
Professor named, 688

Arthritis
Horses with arthritis being studied at KSU, 689

Association of American Veterinary Medical Colleges
Investigating critical issues in veterinary medical research, 332

Association of Reptile and Amphibian Veterinarians
Funding available for reptile, amphibian research, 572

Auburn University
Dean named at Auburn, 116
Fellowship awarded, 333
Veterinary clinicians announce awards, 797

Avian Medicine
CRWAD dedicated to Hanson, 5

AVMA Award Nominations
AVMA calls for award nominations, 1183

AVMA Council on Research
Research proposals invited for AVMF funding, 571
Research council nominees invited, 1049
Research council recommends euthanasia panel, NABR funding, 1356

AVMA Education and Research Division
Granstrom joins education, research division of AVMA, 1126

AVMA Executive Board
Board actions include position on patenting, 6

AVMA Network of Animal Health
ABVT will host NOAH seminar, 6
ISI/NOAH index offers access to current research, 332
Plans to keep Web-based NOAH not affected by AOL/CompuServe merger, 1049

AVMA Panel on Euthanasia
Research council recommends euthanasia panel, NABR funding, 1356

AVMA Staff
Granstrom joins education, research division of AVMA, 1126

Awards
CRWAD dedicated to Hanson, 5
Abstract presentations recognized, 6
Waltham award conferred, 116
Humboldt Award presented, 210
Ewart wins award, 333
NIH award to be used for cancer research, 571
WSAVA/Waltham awards presented, 572
Anderson fellowship awarded, 689
LSU research award given, 689
AVMF names research award recipients
Career Achievement Award, 796
Excellence Awards, 796
Veterinary clinicians announce awards, 797
Nominations invited for Mark Morris award, 937
WARDS: promoting refinement in animal care, 937
CDC pathologist recognized, 1126
Pfizer research awards conferred, 1183
Heuschele receives service award, 1357

Index to News

A

Academy of Feline Practice
Feline research award slated for 1997, 6

American Antivivisection Society
NIH responds to monoclonal antibody petition, 1356

American Association of Equine Practitioners
Bony lesion study announced by AAEP, 571
AAEP calls for proposals, 797
Grants fund equine lecture, research, 1049

American Association of Feline Practitioners
Feline research award slated for 1997, 6

American Association of Veterinary Immunologists
CRWAD dedicated to Hanson, 5

American Association of Veterinary Physiologists and Pharmacologists
CRWAD dedicated to Hanson, 5

American Board of Veterinary Toxicologists
ABVT will host NOAH seminar, 6

American College of Veterinary Internal Medicine
ACVIM diplomates welcomed, 117

American College of Veterinary Microbiology
CRWAD dedicated to Hanson, 5
Diplomates certified in ophthalmology, microbiology, pathology, 209

American College of Veterinary Nutrition
Hill's provides funds for clinical nutrition positions, 1357

American College of Veterinary Ophthalmology
Diplomates certified in ophthalmology, microbiology, pathology, 209

American College of Veterinary Pathologists
Diplomates certified in ophthalmology, microbiology, pathology, 209
Pathologists certified, 1182

American College of Veterinary Preventive Medicine
CRWAD dedicated to Hanson, 5

American College of Zoological Medicine
New diplomates, 333

American Journal of Veterinary Research
Call for *AJVR* reviewers, 689
Call issued for *AJVR* reviewers, 796
Manuscript processing fee for *AJVR* to increase, 1356

American Kennel Club Canine Health Foundation
AKC funds canine cardiology studies, 937
Call for preproposals on canine diseases, 1181

American Veterinary Medical Foundation
Foundation awards 1997 grants, 209
Research proposals invited for AVMF funding, 571
AVMF names research award recipients, 796

Amphibians
Funding available for reptile, amphibian research, 572

Anesthesiology
Abstract presentations recognized, 6

Animal Care
WARDS: promoting refinement in animal care, 937

Animal Health
Fellowship applications welcome, 1181

Animal Health Institute
AHI membership opens to affiliated businesses, 332

Animal Liberation Front
ALF suspected again in UC-Davis fire, 1126

Animal Medical Center
AVMF names research award recipients
Excellence Awards, 796

Animal Research
Research animals benefit from tougher US regulations, 116

Animal Welfare
Cornell opens Institute for Animal Welfare, 572
Heuschele receives service award, 1357

Antibodies, Monoclonal
NIH responds to monoclonal antibody petition, 1356

Appointments
Gibson named KSU alumni fellow, 688
Johnston honored for leadership efforts, 688
Professor named, 688

Arthritis
Horses with arthritis being studied at KSU, 689

Association of American Veterinary Medical Colleges
Investigating critical issues in veterinary medical research, 332

Association of Reptile and Amphibian Veterinarians
Funding available for reptile, amphibian research, 572

Auburn University
Dean named at Auburn, 116
Fellowship awarded, 333
Veterinary clinicians announce awards, 797

Avian Medicine
CRWAD dedicated to Hanson, 5

AVMA Award Nominations
AVMA calls for award nominations, 1183

AVMA Council on Research
Research proposals invited for AVMF funding, 571
Research council nominees invited, 1049
Research council recommends euthanasia panel, NABR funding, 1356

AVMA Education and Research Division
Granstrom joins education, research division of AVMA, 1126

AVMA Executive Board
Board actions include position on patenting, 6

AVMA Network of Animal Health
ABVT will host NOAH seminar, 6
ISI/NOAH index offers access to current research, 332
Plans to keep Web-based NOAH not affected by AOL/CompuServe merger, 1049

AVMA Panel on Euthanasia
Research council recommends euthanasia panel, NABR funding, 1356

AVMA Staff
Granstrom joins education, research division of AVMA, 1126

Awards
CRWAD dedicated to Hanson, 5
Abstract presentations recognized, 6
Waltham award conferred, 116
Humboldt Award presented, 210
Ewart wins award, 333
NIH award to be used for cancer research, 571
WSAVA/Waltham awards presented, 572
Anderson fellowship awarded, 689
LSU research award given, 689
AVMF names research award recipients
Career Achievement Award, 796
Excellence Awards, 796
Veterinary clinicians announce awards, 797
Nominations invited for Mark Morris award, 937
WARDS: promoting refinement in animal care, 937
CDC pathologist recognized, 1126
Pfizer research awards conferred, 1183
Heuschele receives service award, 1357

B

Biomaterials
Research dean announced, 1049

Bony Lesions
Bony lesion study announced by AAEP, 571

Bovine Spongiform Encephalopathy
Studies link vCJD, BSE agents [HA Suzik], 1356

Burroughs Wellcome Fund
Burroughs invites applications, 1050

C

Cardiology
AKC funds canine cardiology studies, 937

Cats
Winn Foundation funds feline studies, 689

Centers for Disease Control
Emerging infectious disease conference planned, 689
CDC pathologist recognized, 1126

Citation
FDA-CVM gives citation, 1048

Cloning
Designer 'Genes': the future of cattle cloning?, 1050
Clone sheds light on research, ethical questions [JC Inserro], 1125

Colorado State University
Colorado State garners $840,000 award from state, 333
Bony lesion study announced by AAEP, 571
Kane to lead yearling study, 1048

Comparative Gastroenterology Society
CRWAD dedicated to Hanson, 5

Comparative Respiratory Society
Comparative respiratory abstracts invited, 797

Cornell University
Dean Loew leaves Cornell, 116
Sled dog research funded, 571
Cornell opens Institute for Animal Welfare, 572
Professor named, 688
AVMF names research award recipients
Excellence Awards, 796

Creutzfeldt-Jacob Disease Variant
Studies link vCJD, BSE agents [HA Suzik], 1356

D

Deans
Dean joins research company, 6
Dean Loew leaves Cornell, 116
Dean named at Auburn, 116
Marler resigns as dean, 1048
Research dean announced, 1049
Associate dean named at Florida, 1181

Department of Defense
DoD solicits research projects, 117

Diagnostic Laboratory
Georgia dedicates laboratory, 6

Diplomates
ACVIM diplomates welcomed, 117
Diplomates certified in ophthalmology, microbiology, pathology, 209
New diplomates, 333
Pathologists certified, 1182

Dressage
First dressage chair named at MSU, 688

Drug Companies
Animal health mergers create Merial, Novartis, 210
Rhone Merieux to sell diagnostic business, 332
Fort Dodge announces acquisition, divestiture, 572

Drug Safety
Gibson named KSU alumni fellow, 688

E

Embryo Transfer
Embryo transfer abstracts invited, 1126

Emerging Diseases, Infectious
Emerging infectious disease conference planned, 689

Emerging Diseases, Parasitic
"Virus meets man," 936

Emerging Diseases, Viral
"Virus meets man," 936

Equine Infectious Anemia
Scientists to pursue AIDS vaccine based on EIA model, 797

Escherichia coli
Iowa State receives swine research grant, 6

Ethics
Clone sheds light on research, ethical questions [JC Inserro], 1125

Excellence in Research Awards (1997)
AVMF names research award recipients
Career Achievement Award, 796
Excellence Awards, 796

F

Faculty
Hartwig to chair new department at ISU, 1357
Hill's provides funds for clinical nutrition positions, 1357

Fellowships
Fellowship relates science, technology to public policy, 937
Fellowship applications welcome, 1181

Fire
ALF suspected again in UC-Davis fire, 1126

Food and Drug Administration Center for Veterinary Medicine
FDA-CVM gives citation, 1048

Funding
Feline research award slated for 1997, 6
Iowa State receives swine research grant, 6
Foundation awards 1997 grants, 209
Forecast predicts R&D expenditures to increase, 210
VECCS awards research grant, 210
Colorado State garners $840,000 award from state, 333
Fellowship awarded, 333
Sled dog research funded, 571
Funding available for reptile, amphibian research, 572
Winn Foundation funds feline studies, 689
AKC funds canine cardiology studies, 937
Gift funds teaching alternatives, 1048
Grants fund equine lecture, research, 1049
Grayson-Jockey funds equine research, 1182

G

Genome Project, Canine
Canine genome mapping a dogged pursuit, 936

Grayson-Jockey Club Research Foundation
Grayson-Jockey funds equine research, 1182

H

Hoechst Roussel
Hoechst Roussel to continue equine vector vaccine development, 1181

Horses
Horses with arthritis being studied at KSU, 689
Kane to lead yearling study, 1048

I

Institute for Scientific Information
ISI/NOAH index offers access to current research, 332

Iowa State University
Iowa State receives swine research grant, 6
Hartwig to chair new department at ISU, 1357

J

Journals
ISI/NOAH index offers access to current research, 332

K

Kansas State University
Gibson named KSU alumni fellow, 688
Horses with arthritis being studied at KSU, 689
Winn Foundation funds feline studies, 689
Marler resigns as dean, 1048

L

Lameness, Equine
Professorship in equine lameness endowed, 1181

Leadership
Johnston honored for leadership efforts, 688

Liasons
Research council recommends euthanasia panel, NABR funding, 1356

Louisiana State University
Chancellor appointed, 116
LSU research award given, 689

M

Manatees
Unraveling the manatee mystery, 333

Manuscript Processing Fee
Manuscript processing fee for *AJVR* to increase, 1356

Michigan State University
Horse farm may enhance equine research at MSU, 333
First dressage chair named at MSU, 688
Gift funds teaching alternatives, 1048
Fellowship applications welcome, 1181

Mississippi State University
VECCS awards research grant, 210

Musculoskeletal System
Terjung joins MU faculty, 1048

N

National Aeronautics and Space Administration
NASA suspends primate research on Bion 12 mission, 688

National Association for Biomedical Research
Research council recommends euthanasia panel, NABR funding, 1356

National Institutes of Health
NIH award to be used for cancer research, 571
NIH responds to monoclonal antibody petition, 1356

National Research Council
NRC seeks research associateship applications, 117

NOAH *See* **AVMA Network of Animal Health**

Nutrition
Professor named, 688
Hill's provides funds for clinical nutrition positions, 1357

O

Oncology
UMC cultivating oncology program, 688

Orthopedic Foundation for Animals
Keller appointed director of orthopedic foundation, 332

P

Panamerican Congress on Mastitis Control and Milk Quality
Mastitis control, milk quality papers invited, 333

Patents
Board actions include position on patenting, 6

Pfizer Animal Health Award for Research Excellence
Pfizer research awards conferred, 1183

Pharmacology
Burroughs invites applications, 1050

Porcine Reproductive and Respiratory Syndrome
USDA, industry study porcine syndrome, 796

Primates
NASA suspends primate research on Bion 12 mission, 688

Production Animal Medicine
Hartwig to chair new department at ISU, 1357

Professorships
Professorship in equine lameness endowed, 1181

Public Policy
Fellowship applications welcome, 1181

R

Radiography
Kane to lead yearling study, 1048

Red Tide
Unraveling the manatee mystery, 333

Regulations
Research animals benefit from tougher US regulations, 116

Reptiles
Funding available for reptile, amphibian research, 572

Research
Feline research award slated for 1997, 6
Iowa State receives swine research grant, 6
DoD solicits research projects, 117
NRC seeks research associateship applications, 117
Foundation awards 1997 grants, 209
Forecast predicts R&D expenditures to increase, 210
VECCS awards research grant, 210
Investigating critical issues in veterinary medical research, 332
Horse farm may enhance equine research at MSU, 333
Feline sarcoma research proposals invited, 571
NIH award to be used for cancer research, 571
Research proposals invited for AVMF funding, 571
Sled dog research funded, 571
Funding available for reptile, amphibian research, 572
Horses with arthritis being studied at KSU, 689
LSU research award given, 689
AVMF names research award recipients
Career Achievement Award, 796
Excellence Awards, 796
Georgia faculty honored for research efforts, 797
AKC funds canine cardiology studies, 937
Fellowship relates science, technology to public policy, 937
Army awards toxicology research contracts, 1049
Grants fund equine lecture, research, 1049
Research dean announced, 1049
Clone sheds light on research, ethical questions [JC Inserro], 1125

Research Grants
Call for preproposals on canine diseases, 1181
Feline foundation invites grants, 1181

Reviewers
Call for *AJVR* reviewers, 689
Call issued for *AJVR* reviewers, 796

Royal College of Veterinary Surgeons
Royal college confers honor, 1048

S

Salmonella sp
FDA-CVM gives citation, 1048
Sled Dogs
Sled dog research funded, 571

Surgery
Gift funds teaching alternatives, 1048

Swine Medicine
Iowa State receives swine research grant, 6

T

Task Force
Vaccine-associated sarcoma research coalescing, 117

Texas A & M University
Dean joins research company, 6
Winn Foundation funds feline studies, 689
AVMF names research award recipients
Excellence Awards, 796

The Ohio State University
Winn Foundation funds feline studies, 689
AVMF names research award recipients
Career Achievement Award, 796
Research dean announced, 1049

Toxicology
Army awards toxicology research contracts, 1049
Burroughs invites applications, 1050

Tufts University
Veterinary clinicians announce awards, 797
Hill's provides funds for clinical nutrition positions, 1357

U

University of California
WSAVA/Waltham awards presented, 572
Winn Foundation funds feline studies, 689
AVMF names research award recipients
Excellence Awards, 796
Royal college confers honor, 1048
Grants fund equine lecture, research, 1049
ALF suspected again in UC-Davis fire, 1126
Hill's provides funds for clinical nutrition positions, 1357

University of Florida
Winn Foundation funds feline studies, 689
Associate dean named at Florida, 1181

University of Georgia
Georgia dedicates laboratory, 6
Anderson fellowship awarded, 689
AVMF names research award recipients
Excellence Awards, 796
Georgia faculty honored for research efforts, 797

University of Miami
Unraveling the manatee mystery, 333

University of Missouri
UMC cultivating oncology program, 688
Terjung joins MU faculty, 1048
Professorship in equine lameness endowed, 1181

University of Tennessee
AVMF names research award recipients
Excellence Awards, 796

University of Torino (Italy)
WSAVA/Waltham awards presented, 572

University of Wisconsin
Veterinary clinicians announce awards, 797

US Department of Agriculture, Animal and Plant Health Inspection Service
USDA, industry study porcine syndrome, 796

V

Vaccination Site Sarcoma
Vaccine-associated sarcoma research coalescing, 117
Feline sarcoma research proposals invited, 571

Vaccine-Associated Feline Sarcoma Task Force
Feline sarcoma research proposals invited, 571

Vaccines
Scientists to pursue AIDS vaccine based on EIA model, 797

Vaccines, Vector
Hoechst Roussel to continue equine vector vaccine development, 1181

Veterinary Emergency & Critical Care Society
VECCS awards research grant, 210

Virginia-Maryland Regional College of Veterinary Medicine
Army awards toxicology research contracts, 1049
Fellowship applications welcome, 1181

W

Washington State University
Johnston honored for leadership efforts, 688

Winn Feline Foundation
Feline foundation invites grants, 1181

Workers for Animals Involved in Research, Drugs, and Surgery
WARDS: promoting refinement in animal care, 937

World Equine Veterinary Association
Equine abstracts sought, 117

World Small Animal Veterinary Association
WSAVA/Waltham awards presented, 572

World-Wide Web
Plans to keep Web-based NOAH not affected by AOL/CompuServe merger, 1049

Index to Names

AUTHORS

Abrams-Ogg, CG, 1338
Adkins, Y, 370
Ainsworth, DA, 897
Akatsuka, H, 1221
Allan, FJ, 1359
Allyson, K, 1338
Almond, GW, 1010
Altier, C, 1232
Alvarez-Bujidos, L, 1263
Alva-Valdes, R, 379
An, YH, 1171
Anders, B, 1291
Andrews, FM, 1060
Andrews, GA, 615
Andrews, JJ, 1070
Arioli, F, 621, 1422
Armstrong, J, 535
Armstrong, JD, 1010
Arnold, S, 555
Arther, RG, 848
Arvik, T, 733
Athanasiou, K, 949
Aurich, J, 404
Ayers, JR, 841

Bach, R, 28
Bader, JA, 985
Badino, P, 621, 1422
Badiola, JJ, 799
Baer, GM, 837
Baggot, DG, 379
Baggs, A, 910
Bai, SA, 62
Bairden, K, 379
Baker, HJ, 706
Baker, JC, 478
Baldwin, CW, 251
Baldwin, P, 1238
Ball, BA, 816
Balligand, MH, 1367
Barbee, DD, 71
Barneveld, A, 713
Barr, SC, 777
Barsanti, JA, 1184
Bartges, JW, 118, 504, 511, 1184
Barth, D, 1257
Bartholomew, LR, 942
Barton, MH, 1291, 1300
Barwick, RS, 1097
Baskett, A, 1291
Batt, CA, 482, 733
Bauman, JE, 833
Bawden, JW, 498
Bayly, WM, 71
Beadle, RE, 1408
Beard, WL, 1018
Becker, BA, 364
Bell, TG, 389
Belloli, C, 621, 1422
Benfield, DA, 40
Bennett, GJ, 482
Benton, H, 286
Beretta, C, 621, 1422
Berry, CR, 1188
Berry, SL, 744
Bertone, AL, 89
Bice, DE, 34
Biehl, LG, 976
Bigsby, D, 338
Binder, H, 555
Binns, MM, 997
Bird, KA, 504, 511
Bjorling, DE, 1227
Blagburn, BL, 891
Blaisdell, JL, 146, 150
Blissitt, KJ, 516
Bloomfield, M, 765
Blunt, DG, 1033
Boni, NS, 636
Boothe, DM, 83, 872
Boothe, HW, 83
Bostwick, DR, 1320
Bottoms, GD, 408
Boudreaux, MK, 954
Boury, NM, 1115
Bowman, KF, 1427
Brand, A, 17
Braselton, WE, 376
Braund, KG, 706
Breitschwerdt, EB, 467, 492
Brewer, GJ, 23
Briggs, DJ, 1327
Broadstone, RV, 1227
Broderick-Villa, GA, 286
Brooks, DE, 864
Broussard, SD, 379
Brown, CA, 188, 436, 1308
Brown, H, 1055
Brown, J, 211
Brown, Scott Alan, 188, 436, 647, 1184, 1308
Brownfield, M, 535
Bruce, JL, 482, 733
Brumbaugh, GW, 1166
Buchner, HHF, 713
Budsberg, SC, 626, 1027
Bufalari, A, 1443
Buffington, CAT, 146, 150
Burr, JR, 1457
Burton, SA, 1440
Butterwick, RF, 272

Cadiergues, M-C, 140
Callahan, RJ, 781
Calvert, CA, 211, 398
Calvin, J, 872
Cao, Y, 23
Capuco, AV, 1392
Carcano, R, 1422
Cardwell, AL, 446
Carey, DP, 1252
Carlson, G, 431
Carruthers, VR, 1314
Carter, DP, 265
Cash, WC, 7, 710
Castillo-Olivares, JL, 99
Caterino de Araujo, A, 356
Cavender, JC, 942
Chaffin, MK, 1166
Chard-Bergstrom, C, 615
Cheblounе, Y, 579
Chen, C-M, 1152
Chen, M, 118, 504, 511
Cheng, K-J, 384
Chettab, A, 579
Cheville, NF, 472, 851
Chew, DJ, 658, 664
Chickering, WR, 939
Christley, RM, 653
Christopher-Hennings, J, 40
Chu, Q, 1027
Church-Bird, A, 46
Ciordia, H, 379
Citino, SB, 157, 1014
Clark, W, 408
Clayton, MK, 1027
Clegg, MS, 808
Clutton, RE, 516
Cofone,MA, 1078
Cohen, S, 1285
Cole, EM, 482
Collie, DDS, 34
Cook, AK, 989
Cook, G, 1427
Cook, JL, 419
Cooper, TA, 188, 436, 1184
Correa, MT, 467
Court, MH, 878
Couto, CG, 857
Couvillion, CE, 282
Cowgill, LD, 1193
Cox, NR, 706
Coy, SL, 755
Cross, AR, 626
Crowell, WA, 188, 436
Cunningham, J, 848
Cutlip, RC, 608
Czuprynski, C, 1227

Daniel, GB, 677
Da Silva Teixeira, MF, 579
Dawson, R, Jr, 157
Deaton, TG, 498
DeBey, BM, 608
DeBoer, DJ, 34
DeBowes, RM, 7, 710
del Piero, F, 733
DeMora, F, 293
Derksen, FJ, 317, 1022
Desmecht, DJ, 310
Desrochers, A, 7, 710
Dhupa, N, 910
DiCarlo, AL, 585
Dietrich, MA, 46
Diez, M, 1238
Dixon, B, 1014
Dobrinski, I, 816
Dobrosielski-Vergona, K, 143
Dodman, NH, 808
Dondelinger, RF, 1367
Dorman, DC, 1141
Dorn, H, 848
Drag, MD, 612
Dreeson, DW, 1327
Dreyer, EB, 864
Dubielzig, RR, 1159
Ducharme, NG, 897
Duffield, T, 1216
Duke, T, 153
Dvorak, J, 872

Eagleson, JS, 379, 612, 1257
Easter, JL, 1166
Edge, V, 1216
Egger, CM, 153
Ehrensperger, F, 1371
Eicher, R, 574
Eichinger, HM, 738
Ellis, RG, 760
Elsasser, TH, 891
Ennulat, D, 1308
Erb, HN, 771, 777, 897
Erickson, BK, 897
Essén-Gustavsson, B, 167
Esteves, MI, 781
Etzel, LR, 1201
Eurell, JA, 1473
Eurell, TE, 915
Evans, DL, 653
Evanson, OA, 457, 823, 1376
Everett, R, 848
Evock-Clover, CM, 594

Fagliari, JJ, 1376
Fagnan, MS, 816
Fang, W, 601
Farin, CE, 62
Farrell, DE, 594
Felice, LJ, 118, 504, 511
Ferguson, DC, 188, 398, 436
Ferguson, JG, 153
Ferguson, P, 23
Ferko, BL, 498
Ferre, I, 1263
Ferrer, L, 293
Fessler, JF, 408
Fettman, MJ, 277
Fialkowski, J, 1227
Finco, DR, 188, 436, 1184
Fink, MP, 910
Finn-Bodner, S, 1051
Firkins, LD, 976
Fisher, LD, 1267, 1274
Fisher, P, 1188
Flanders, JA, 1443
Foley, RL, 1431
Fortier, LA, 66
Fox, BC, 265
Fox, JG, 781
Fox, MT, 1260
Franc, M, 140
Franco-Bourland, RE, 864
Frank, LA, 719
Frankeny, RL, 218
Freeman, DE, 915
Friedman, RJ, 1171
Frisbie, DD, 524, 1132
Fritsche, KL, 364
Frketic, MM, 153
Fuentes, VL, 1055
Fujinaga, T, 925
Fujita, M, 1412
Furr, M, 939

Gabor, L, 771
Gamble, HR, 1417
Gamblin, RM, 857
García, G, 293
Garcia, GA, 864
Garcia Marin, JF, 799
Geiser, S, 961

Geishauser, T, 1216
Gelatt, KN, 1332
Genicot, B, 310
Gentry, PA, 541
Geor, RJ, 175
Giannoni, C, 1443
Gillette, SM, 1132
Gillis, C, 425
Ginn, PE, 446
Girardi, C, 621, 1422
Gleed, RD, 771
Glock, RD, 1125
Gomez de Segura, IA, 99
González, RN, 482
Gookin, J, 1193
Gorham, J, 590
Greenblatt, DJ, 878
Greene, C, 338, 804
Greene, SA, 1436
Gregor, TP, 1076, 1078
Griffey, S, 989
Grindem, CB, 1092
Grommers, FJ, 17
Grund, C, 224
Grunert, E, 404
Guilford, WG, 1188, 1359
Guillot, J, 1364
Gutierrez, M, 799

Haak-Frendscho, M, 1227
Habel, RE, 4
Hackett, RP, 897
Hadi, AHAA, 636
Hadjiconstantinou, M, 451
Hagedorn, H-W, 224
Häggström, J, 77
Hague, A, 1166, 1324
Hahn, EC, 976
Hahn, KA, 677, 719
Hair, JA, 1257
Halloran Blanton, S, 23
Hamm, D, 298
Hankes, GH, 1051
Hanson, SM, 1320
Hansson, K, 77
Hardie, RJ, 1443
Haritani, M, 725
Harmon, KM, 1070
Harrison, JM, 446
Hartmann, S, 738
Hartsfield, SM, 1280, 1324
Haussler, KK, 1083
Hawkins, DL, 182
Hawkins, EC, 1141
Hay, CW, 1027
Heath, AG, 1451
Heath, HL, 891
Heaton-Jones TG, 446
Hegstad, RL, 277
Hellman, J, 585
Henderson, RA, 1051
Hendrickson, DA, 786
Henik, RA, 535
Herdt, TH, 760
Hernandez, K, 1014
Herr, LG, 848
Herring, I, 872
Hevener, W, 1010
Heyman, SJ, 1078
Hietala, SK, 1381
Highlander SK, 749
Hilbe, M, 1371
Hinchcliff, KW, 632, 652, 658, 664, 1003, 1018, 1457
Hines, MT, 303
Hird, DW, 744
Hirose, O, 488
Hitzler, PR, 376
Hobo, S, 531
Hodgson, DR, 653
Hoenig, ME, 188, 436
Hoffman, AM, 1463
Hoffmann, KL, 697
Holcombe, SJ, 317, 1022
Holdstock, N, 1243
Holmes, EP, 1145
Holmes, MA, 356
Holste, JE, 612
Honnas, CM, 1166
Hoorfar, J, 334
Hopkins, T, 848
Hornick, J-L, 1238
Hornof, WH, 1188
Hoskinson, JJ, 7, 710
Howe, LM, 83
Hrubec, TC, 126, 131
Hubbell, JAE, 1003
Huber, ML, 1051
Hubert, J, 379
Hubler, M, 555
Hurley, J, 733
Hutchinson, MJ, 1260
Hutt, J, 1014
Hyatt, DA, 446
Hyde, DM, 56, 337
Hyyppä, S, 162

Iaizzo, PA, 738
Ihle, SL, 1440
Ikeya, M, 1221
Ilkiw, JE, 1267, 1274
Inaba, Y, 488
Inoue, OJ, 915
Inoue, Y, 1221
Inserro, JC, 445
Istasse, L, 1238
Itoh, A, 171
Itoh, H, 725

Jackson, JA, 897
Jackson, LR, 781
Jackwood, DJ, 242
Jacobs, DE, 1260
Jacobs, GJ, 211, 398
James, KM, 343
Jamison, KC, 1141
Janni, K, 828
Jansson, N, 897
Jelinski, M, 384
Jenkins K, 1376
Jensen, HE, 1364
Jensen, JL, 535
Joens, LA, 1125
Johnson, AL, 1473
Johnson, EG, 612
Johnson, JC, 298
Johnson, JM, 1473
Johnson, KA, 354, 1027
Johnson, M, 408
Johnson, R, 786
Johnston, SD, 277
Johnstone, IB, 1338
Jones, GE, 228
Jones, L, 590
Jones, PA, 541
Jonker, FH, 1285
Joo, HS, 257, 828
Jusa, ER, 488
Jyawook, S, 781

Kagamizono, H, 1221
Kaiser, L, 389, 394
Kakutani, O, 1412
Kallfelz, FA, 1252
Kang, Q, 1171
Karkoura, A, 1209
Karlberg, BE, 77
Kass, PH, 461, 989
Katoh, N, 121, 811
Katz, T, 298
Kawano, J, 1412
Kawase, K, 146, 150
Kawawa, F, 121
Kawcak, CE, 1132
Keefe, TJ, 626
Keegan, KG, 218
Keegan, RD, 1436
Keen, CL, 808
Kehrli, ME, Jr, 1115
Kemper, DL, 1166
Kerboeuf, D, 379
Kesl, LD, 265
Kim, H-Y, 885
Kingston JK, 175
Kirby, AC, 697
Kiso, Y, 920
Klesius, PH, 985
Klir, JJ, 364
Kneller, SK, 1473
Ko, JC, 446
Kobayashi, M, 725
Koblik, PD, 1188
Kociba, GJ, 1402
Koehler, LA, 504, 511
Kohn, CW, 658, 664
Kohno, M, 488
Komatsu, Y, 146, 150
Kondo, M, 171
Koolpe, M, 286
Kordick, DL, 492
Korvick, D, 949
Kratzmair, M, 738
Kraus, KH, 1033
Kreeger, JM, 419
Krieger, KJ, 1260
Kroger, HW, 136
Kruse-Elliott, KT, 786, 1386
Krytenberg, DS, 354
Kündig, H, 961
Kunkle, BN, 1257
Kupcinskas, RL, 1463
Kushner, LI, 211
Kusy, RP, 498
Kutzer, E, 1257
Kuwano, A, 531
Kvart, C, 77

LaFond, E, 1076, 1078
Lakritz, J, 56, 337
Lam, TJGM, 17
Lambert, V, 579
Langford, K, 647
Langholff, WK, 612, 1257
Langston, CE, 1193
Larson, DJ, 1070
Larson, LJ, 360
Latge, J-P, 1364
Latshaw, H, 408
Lawler, DF, 1076
Lawoko, CRO, 1359
Lawrence, K, 136
Lee, MD, 755
Lee, RP, 969
Leff, AR, 672
Legendre, AM, 677
Lehmkuhl, HD, 608
Leino, L, 1392
Lekeux, P, 310
Lemke, KA, 1440
Lepage, OM, 574
Lepine, A, 370
Leroux, AJ, 303
Leslie, K, 1216
Leslie-Steen, P, 260
Leveque, NW, 936
Levine, J, 1193
Li, J, 23
Lichtenstein, DL, 1402
Lilius, E-M, 585
Lillich, JD, 89
Lin, JL, 910
Lin, T-Y, 1152
Lin, X, 1120
Lind, P, 334
Linden, AS, 310
Lipscomb, DL, 954
Liptrap, RM, 920
Little, PB, 920
Lloyd, JW, 376
Loch, WE, 218
Lockwood, PW, 298
Logan, NB, 282
Lomba, F, 310
Lönnerdal, B, 370
Lopez, MJ, 786
Lopez, MK, 46
Loretz, KJ, 744
Löwenstein, M, 1257
Luna, SPL, 765
Lust, G, 66

Macias, W, 408
Macintire, DK, 1051
MacKay, EO, 1332
Mackenzie, AL, 1440
Mackowiak, M, 833
Madigan, JE, 431
Maheswaran, SK, 1227
Maisi, P, 729
Makimura, S, 1221
Maksimowich, DS, 389, 394
Malemud, CJ, 89
Malinowski, K, 1468
Mann, LS, 641
Marini, RP, 781
Markey, BK, 228
Marks, SL, 989
Markwell, PJ, 272
Marley, CL, 1408
Martin, C, 338
Martinez, EA, 1280, 1324
Mascias, A, 99
Mathy, NL, 969
Matsukura, Y, 171

Matsunaga, S, 885
Matteri, RL, 364
Matthews, NS, 53, 881, 1280
Mauragis, DF, 446
McAllister, TA, 384
McClenahan, D, 1376
McCutcheon, LJ, 175
McDermott, M, 338, 804
McDicken, WN, 1055
McDonald, MW, 594
McDonough, PL, 1097
McEntee, MF, 677
McEwan, JD, 1055
McGladdery, AJ, 997
McGlade, KS, 303
McGorum, BC, 1408
McIlwraith, CW, 1132
McKeever, KH, 1468
McLeay, LM, 1314
McOrist, S, 136
McVicker, JK, 1201
Meagher, DM, 425
Mealey, KL, 53, 881
Mebus, CA, 1104, 1110
Meehan, JT, 608
Meer, RR, 702
Melendez, LD, 1280
Metzger, L, 431
Meyers, KM, 71
Mihalyi, J, 56, 337
Miller, PE, 1159
Mischke, R, 236
Miskimins, DW, 1070
Mitchell, RW, 672
Miyamoto, T, 811
Mohammed, HO, 66, 482, 733, 1097
Molander, HA, 303
Molony, V, 516
Montelaro, RC, 1402
Montgomery, RD, 1206
Moon, PF, 771, 777, 868
Moon-Fanelli, AA, 808
Moore, JN, 1291, 1300
Moore, RM, 1145
Moran, CM, 1055
Morck, DW, 384
Morgan, J, 136
Moriello, KA, 348
Morikawa, Y, 920
Mornex, J-F, 579
Morrill, JC, 1104, 1110
Motoi, Y, 725
Motoyoshi, S, 171
Mselli-Lakahl, L, 579
Mueller, B, 408
Mufson, MA, 478
Muggenburg, BA, 34
Muir, WW III, 1003
Mulder, EJH, 1285
Muller, F, 354
Mumford, JA, 997
Mupanomunda, M, 394
Murphey, ED, 408
Murphy, CJ, 414, 1159
Murphy, DJ, 103
Murtaugh, M, 28
Muto, M, 1209
Mutoh, T, 885
Mutti, DO, 414
Myers, MJ, 594
Myers, NC III, 615
Myllys, V, 601

Nachreiner, RF, 376
Nadeau, JA, 1060
Nagata, S, 1221
Naito, Y, 1197
Nakajima, N, 1197
Nakajyo, S, 171
Nakayama, T, 1209
Nambo, Y, 920
Närvä, H, 1392
Nasisse, MP, 1141
Ndukwu, IM, 672
Neil, PG, 1314
Nelson, D, 260
Nelson, EA, 40
Nelson, JK, 40
Neubauer, J, 733
Newell, SM, 446
Nguyen, J, 1166
Nibbelink, S, 1125
Nicholson, VM, 356
Nickel, RF, 691
Nie, RC, 1076
Nietfield, JC, 260
Niezgoda, M, 1327
Nishimura, R, 885
Nixon, AJ, 66, 103, 524, 1431
Nolan, ML, 677
Nolte, I, 236
Norman, WM, 878
Norton, N, 1291, 1300
Novelli, A, 621

O'Brien, PJ, 11
Odore, R, 1422
Ogawa, H, 904, 1221
Ogilvie, GK, 277
O'Handley, RM, 384
Oikawa, M, 531, 920
Oikawa, S, 121, 725
Okada, T, 920
Okumura, M, 925
Olin, JM, 1065
Oliver, JL, 46
Olsen, SC, 472
Olson, JK, 343
Olson, ME, 384
Olsson, K, 77
Ono, Y, 121
Ordonez, D, 1263
O'Reilly, KL, 1120
O'Rielly, JL, 1018
Ortiz, AI, 1263
Osborne, CA, 118, 343, 504, 511
Osman, MAG, 636
Otsuka, H, 1221
Otten, W, 738
Ousey, JC, 1243

Paape, MJ, 585, 1392
Padden, AJ, 1018
Padrid, PA, 672
Palmer, MV, 472, 851
Pang, DX, 942
Papavassiliou, P, 228
Papich, MG, 1427
Pappalardo, BL, 467
Paradis, MR, 1463
Pardo, MC, 833
Parish, SM, 354
Park, BK, 257
Park, RD, 1367
Pascoe, JR, 431
Pascoe, PJ, 1267, 1274
Patterson, MC, 356
Paxton, R, 954
Payne , JT, 419
Peat, CY, 467
Peauroi, JR, 461
Peck, KE, 53, 881
Pedrick, TP, 1443
Peickert, H, 348
Pérez, V, 799
Perkins, PC, 1092
Peters, CJ, 1104, 1110
Pijanowski, GJ, 1473
Pijoan, C, 828
Pinkall, N, 379
Piscopo, SE, 62, 1038
Plopper, CG, 56, 337
Plue, RE, 379
Podell, M, 451
Polzin, DJ, 343
Pool, RR, 425
Poore, MH, 498
Pösö, AR, 162
Pote, LMW, 282
Powers, BE, 1132
Prandi, S, 1243
Prescott, JF, 356
Psarrou, E, 228
Pugh, DG, 891
Puigdemont, A, 293
Purdy, CW, 841

Räsänen, LA, 162
Rashid, J, 28
Ray, AC, 53
Re, G, 621, 1422
Read, DH, 744
Rehbein, S, 1257
Rehder, RS, 897
Reinhart, GA, 1252, 1457
Reiser, K, 425
Renn, TN, 1018
Reubush, KJ, 1451
Reynolds, AJ, 1252
Ribot, X, 1364
Richards, RG, 1010
Rivas, AL, 482
Rivas, LJ, 632, 658, 664
Roberts, MC, 1427
Roberts, W, 804
Robertson, JL, 126, 131, 939
Robertson, JT, 1003
Roberts W, 338
Robinson, NE, 317, 1022
Roeder, BL, 549
Rogers, GM, 498
Rogers, QR, 989
Rollin, F, 310
Ronéus, N, 167
Roof, MB, 265
Rook, JS, 376
Rose, RJ, 653
Rossdale, PD, 1243
Roth, JA, 265
Royan, G, 384
Ruesch, P, 555
Ruggles, AJ, 89
Rumph, PF, 1206
Rupprecht, CE, 1327
Russell, KE, 1092

Saabye, L, 1060
Saban, R, 1227
Sagartz, JE, 857
Saif, LJ, 242
Salman, MD, 277
Salti-Montesanto, V, 228
Sam, DA, 942
Sams, RA, 658, 664, 1003
Sams, RH, 398
Sander, J, 755
Sanders, LG, 891
Sanderson, TP, 1070
Sandholm, M, 601
Santos, M, 99
Sarfati, J, 1364
Sartin, EA, 891
Sartin, JL, 891
Sasaki, F, 920
Sasaki, N, 885
Sato, J, 1197
Sato, R, 1197
Saunders, JH, 1367
Savelberg, HHCM, 713
Sawchuk, RJ, 504
Saxton, AM, 1060
Schaalje, GB, 549
Schaeffer, DJ, 1473
Schamhardt, HC, 713
Schmall, LM, 1003
Schober, K, 1055
Schott, HC II, 71, 303
Schreier, CJ, 1457
Schukken, YH, 17
Schulte, HF III, 482
Schultz, RD, 360
Schultze, AE, 719
Schulz, R, 224
Schumacher, John, 954
Schumacher, Juergen, 157, 1014
Scott, FW, 251
Seahorn, TL, 1408
Sedrish, SA, 1145
Seewald, MJ, 738
Sellon, DC, 1092, 1232
Shaddock, J, 1327
Shadomy, SV, 478
Shahbazian, LM, 364
Shannon, KJ, 897
Sharkey, N, 461
Shea, ME, 376
Shelle, JE, 376
Shimizu, A, 1412
Shimizu, K, 171
Shimomuro, T, 920
Short, CE, 1443
Shoup, DI, 242
Siefker, C, 282
Skoyen, S, 1227
Slater, MR, 1280
Smith, B, 218
Smith, CW, 1473
Smith, GK, 1076, 1078
Smith, JM, 71
Smith, KC, 997

Smith, LL, 1257
Smith, MC, 733
Smith, MO, 1320
Smith, SA, 126, 131
Smith, TJ, 1065
Smoak, IW, 1038
Snaps, FR, 1367
Soderholm, LV, Jr, 897
Soeta, S, 1197
Soki, K, 1221
Soma, LR, 641
Songer, JG, 702
Spano, J, 954
Stabel, TJ, 1115
Stanz, KM, 1159
Steele, B, 891
Steele, NC, 594
Steffey, EP, 99
Steiner, A, 961
Steiss, JE, 706, 1206
Stevens, JB, 1141
Stevenson, S, 89
Stick, JA, 317, 1022
Stiles, J, 338, 804
St-Jean, G, 7, 710
Stocker, S, 961
Storz, J, 1120
Stover, SM, 182, 425, 1083
Stowe, HD, 760
Strasser, M, 1371
Straus, DC, 841
Strauss, HW, 781
Strohbehn, RE, 1201
Strubbe, DT, 1332
Stuedemann, JA, 379
Su, C-L, 549
Sutherland, GR, 1055
Suyemoto, M, 1232
Suzik, HA, 1356
Swan, KS, 1473
Swardson, CJ, 1402
Swenson, RA, 1252, 1457

Tagami, M, 925
Takase, K, 725
Talcott, MR, 1065
Tamura, K, 725
Tangkawattana, P, 1209
Tarver, S, 647
Taverne, MAM, 1285
Taylor, M, 1115
Taylor, PM, 765
Taylor, TS, 53, 881
Tellechea, J, 799
Tendillo, FJ, 99
Tenorio, E, 590
Théon, AP, 431
Theus, R, 555
Thomas, PGA, 816
Thompson, DR, 612
Thompson, KC, 298
Thorson, LM, 897
Thür, B, 1371
Thurmond, MC, 1381
Tielen, MJM, 17
Toivio-Kinnucan, M, 46
Tomasic, M, 541, 641
Tomlinson, JL, 419
Torremorell, M, 828
Trogdon, M, 1193
Trotter, GW, 1132
Tschudi, P, 574
Tsoli, E, 228
Tsukiyama, K, 925
Tu, C-H, 1221
Tulamo, R-M, 729
Turchi, P, 298
Twedt, DC, 1320
Tyler, Jeff W, 354

Uchida, K, 1221
Uchida, Y, 808
Uebelhart, B, 574
Ulrich, LK, 118, 504, 511
Urakawa, E, 925
Urakawa, N, 171

Vaden, SL, 1193
van den Brom, W, 691
van der Weijden, GC, 1285
van Oord, HA, 1285
van Vliet, JH, 17
Vasseur, PB, 286, 461
Veenhuizen, MF, 136
Velicer, LL, 478
Venta, PJ, 23
Venugopalan, CS, 1145
Ver Hoeve, J, 414
Vinitnantharat,S, 985
Vogelsang, RL, 461
Vorstenbosch. MATM, 713
Vretou, E, 228
Vuolteenaho, O, 77

Wada, T, 1221
Walker, J, 969
Walker, K, 1232
Walker, KM, 1092
Walker, R, 828
Walker, RL, 744
Walters, L, 277
Walton, RM, 1132
Wang, S, 1402
Wang, S-R, 1152
Wang, Y, 1392
Wasfi, IAR, 636
Washizu, M, 171
Wasson, DL, 1417
Watson, JL, 56, 337
Way, N, 872
Wedderkopp, A, 334
Weigel, RM, 976
Weigler, BJ, 1141
Weil, AB, 1436
Weisbrode, SE, 89
Weiss, DJ, 28, 457, 823, 1376
Welch, JA, 1033
Welles, EG, 954
Wells, MR, 1033
Wells, RE, 457
Weng, C-N, 1152
Weremowitz, J, 1033
Wesley, IV, 1070
White, ME, 1097
Whittem, T, 398
Wiedmann, M, 482, 733
Wiestner, T, 555
Wilkinson, RA, 781
Williams, JC, 379
Williams, JF, 389, 394
Willis, M, 338, 804
Willits, NH, 425, 1083
Wilson, DA, 218
Wilson, DJ, 218, 482
Wilson, LK, 354
Wilson, WD, 56, 337
Wisnewski, N, 1417
Wohl, JS, 910
Wolfe, LG, 46
Wood, AKW, 697
Wright, JC, 706, 1051

Yager, JA, 356
Yamaguchi, M, 1209
Yamaguchi, R, 1221
Yamamoto, C, 1412
Yamano, S, 1209
Yamashiro, S, 920
Yanase, J, 904
Yazwinski, TA, 612
Yilma, T, 590
York, CC, 467
Yoshida, K, 531
Yoshihara, T, 531
Young, KM, 348
Young, LE, 516
Yuzbasiyan-Gurkan, V, 23, 259

Zadnik, K, 414
Zandona Meleiro, MC, 356
Zankl, H, 224
Zaremba, W, 404
Zeman, DH, 260, 1070
Zicker, SC, 370
Zimmer, J, 1243
Zimmerman, GL, 612
Zorob, O, 636
Zurakowski, D, 864

PERSONALS

Aguirre, G, 796
Akbar, A, 5
Aldridge, B, 5
Al-Ghamdi, GM, 5
Arnoczky, SP, 1182

Bailey, E, 1182
Bishop, MD, 1050
Blodgett, D, 937
Boosinger, T, 116
Bossart, G, 333
Bossé, JT, 5
Brayton, C, 937
Brown, Scott Alan, 797
Budsberg, SC, 796
Burrows, C, 116

Cantwell, SL, 6
Capen, CC, 796
Caron, JP, 1182
Clayton, HM, 688
Cohn, LA, 209
Collins, MT, 209
Confer, AW, 209
Conrad, P, 936, 1182
Courtney, C, 1181
Cover, M, 1048
Crawshaw, G, 333

Danneman, PJ, 937
Day, T, 210
Dritz, S, 209
Dubin, S, 937

Ewart, S, 333

Fahey, JR, 117
Flecknell, PA, 937
Fossum, TW, 796
Freeland, RL, 5

Gardner, IA, 1182
Gibson, JP, 688
Goodwin, JK, 937
Gottipati, S, 5
Granstrom, DE, 445
Guest, J, 937

Hanson, LE, 5
Hartwig, NR, 1357
Hay, CW, 797
Hendrick, M, 117
Henry, C, 688
Heuschele, WP, 1357
Hickman, MA, 689
Hiller, A, 689
Hines, SA, 1182
Hoffman, A, 1182
Holladay, S, 1049
Horohov, D, 1182

Isaza, R, 333

Jenkins, WL, 116
Johnson, GS, 936
Johnson, RA, 6
Johnston, SD, 688
Jones, S, 5

Kallfelz, FA, 688
Kane, AJ, 5, 1048
Kaneene, JB, 209
Keller, GG, 332
Kitchell, B, 117
Kleven, SH, 796
Kraus, BLH, 6
Ksiazek, TG, 445
Kunkle, GA, 689

Lairmore, MD, 117
Larsen, DL, 5
Lehmkuhl, LB, 937
Lillich, J, 689
Lin, C, 5
Loew, FM, 116
Lunn, DP, 1182

MacEwen. EG, 209
MacLachlan, NJ, 1182
MacLeod, JN, 1182
Macy, D, 117
Marler, RJ, 1048
McIlwraith, CW, 571
Mebus,CA, 117, 209
Merillat, L, 333
Meyers, SA, 1182
Morris, JG, 689
Morse, SS, 936
Mosier, DA, 209
Mosser, DM, 1182

Nagarkatti, M, 571
Newbound, GC, 117
Nieves, MA, 209
Norton, J, 937

Orosz, SE, 796
Ostrander, EA, 936

Pedersen, NC, 572
Pennell, E, 937
Peruccio, C, 572
Peterson, ME, 796
Pierson, B, 937
Purswell, B, 937

Ratzlaff, MH, 1182
Richards, JR, 117
Ritchie, BW, 797
Roberts, RM, 210
Rogers, KS, 689
Rogers, QR, 689
Roser, JF, 1182
Ross, J, 797

Shadduck, JA, 6
Smith, B, 1049
Smith, S, 937
Stedman, N, 689
Steffey, EP, 1048
Storz, J, 689
Stover, SM, 796, 1182
Suarez, DL, 117

Tate, C, 937
Terjung, RL, 1048
Thomas, TS, 209
Timoney, JF, 1182
Tizard, I, 117, 209
Trakranrangsie, N, 5
Tresnan, DB, 117

Valdez, RA, 209
Vincent-Johnson, N, 797
von Recum, AF, 1049
Voss, J, 333

Wakslag, J, 571
Washabau, RJ, 209
Williams, CC, 333
Witters, NA, 5
Wu, H, 5

Index to Subjects

A

Abomasum, Displaced
Decreased serum apolipoprotein B-100 and A-I concentrations in cows with ketosis and left displacement of the abomasum [S Oikawa et al], 121
Evaluation of aspartate transaminase activity and ß-hydroxybutyrate concentration in blood as tests for prediction of left displaced abomasum in dairy cows [T Geishauser et al], 1216

Abortion
Diagnosis of ovine enzootic abortion, using a competitive ELISA based on monoclonal antibodies against variable segments 1 and 2 of the major outer membrane protein of *Chlamydia psittaci* serotype 1 [V Salti-Montesanto et al], 228
Immunohistochemical diagnosis of pestivirus infection associated with bovine and ovine abortion and perinatal death [B Thür et al], 1371
Effect of congenitally acquired *Neospora caninum* infection on risk of abortion and subsequent abortions in dairy cattle [MC Thurmond et al], 1381

Abscess
Immunohistochemical localization of α_1-acid glycoprotein in liver tissues of bovine fetuses, newborn calves, and sick or healthy adult cattle [H Itoh et al], 725

Acid
In vitro effects of an acidic by-product feed on bovine teeth [GM Rogers et al], 498

Acidosis
Effect of sodium bicarbonate administration on blood constituents of horses [LJ Rivas et al], 658
Effect of sodium bicarbonate administration on renal function of horses [LJ Rivas et al], 664

Acidosis, Metabolic
Acid-base, metabolic, and hemodynamic effects of sodium bicarbonate or tromethamine administration in anesthetized dogs with experimentally induced metabolic acidosis [PF Moon et al], 771

Acrodermatitis
Serum concentrations of zinc and copper in Bull Terriers with lethal acrodermatitis and tail-chasing behavior [Y Uchida et al], 808

Actinobacillus pleuropneumoniae
Airborne transmission of *Actinobacillus pleuropneumoniae* and porcine reproductive and respiratory syndrome virus in nursery pigs [M Torremorrell et al], 828

Adenoma
Immunocytochemical localization of adrenocorticotropic hormone-immunoreactive cells of the pars intermedia of Thoroughbreds [T Okada et al], 920

Adenoviruses
Pathogenesis of infection induced by an adenovirus isolated from a goat [HD Lehmkuhl et al], 608

Adipose
Influences of breed, sex, and susceptibility to malignant hyperthermia on lipid composition of skeletal muscle and adipose tissue in swine [S Hartmann et al], 738

Aerosol
Airborne transmission of *Actinobacillus pleuropneumoniae* and porcine reproductive and respiratory syndrome virus in nursery pigs [M Torremorrell et al], 828

Aging
Effect of maturation and aging on the histomorphometric and biochemical characteristics of equine superficial digital flexor tendon [C Gillis et al], 425
Exercise capacity in young and old mares [KH McKeever et al], 1468

Airway Mechanics
Effect of combined staphylectomy and laryngotomy on upper airway mechanics in normal horses [JL O'Rielly et al], 1018

Airway Pressure
Effect of bilateral tenectomy of the tensor veli palatini muscle on soft palate function in horses [SJ Holcombe et al], 317

Airway Resistance
Effect of bilateral tenectomy of the tensor veli palatini muscle on soft palate function in horses [SJ Holcombe et al], 317

Albendazole
Determination of concentration of albendazole sulfoxide in plasma and uterine fluid of heifers [SE Piscopo et al], 62
Comparison of effects of albendazole sulfoxide on in vitro produced bovine embryos and rat embryos [SE Piscopo et al], 1038

Aldosterone
Effects of naturally acquired decompensated mitral valve regurgitation on the renin-angiotensin-aldosterone system and atrial natriuretic peptide concentration in dogs [J Häggström et al], 77
Plasma renin activity and angiotensin I and aldosterone concentrations in cats with hypertension associated with chronic renal disease [JL Jansen et al], 535

Alfentanil
Cardiovascular effects of equipotent isoflurane and alfentanil/isoflurane minimum alveolar concentration multiple in cats [PJ Pascoe et al], 1267
Effect of alfentanil on the minimum alveolar concentration of isoflurane in cats [JE Ilkiw et al], 1274

Allergy
Evaluation of association of blood and bronchoalveolar eosinophil numbers and serum total immunoglobulin E concentration with the expression of nonspecific airway reactivity in dogs [DDS Collie et al], 34
Effect of H_1-antihistamines on histamine release from dispersed canine cutaneous mast cells [G García et al], 293
Quantification of antigen-specific antibody concentrations in tracheal lavage fluid of horses with summer pasture-associated obstructive pulmonary disease [TL Seahorn et al], 1408

Allopurinol
Bioavailability and pharmacokinetics of intravenously and orally administered allopurinol in healthy Beagles [JW Bartges et al], 504
Influence of two diets on pharmacokinetic parameters of allopurinol and oxypurinol in healthy Beagles [JW Bartges et al], 511

American Journal of Veterinary Research
AJVR Annual Report, 1996, 204
1996 *AJVR* Reviewers, 206

γ-Aminobutyric Acid
Altered cerebrospinal fluid γ-aminobutyric acid and glutamate values in dogs with epilepsy [M Podell et al], 451

Ammonia
Effects of ammonia and nitrate concentration on hematologic and serum biochemical profiles of hybrid striped bass (*Morone chrysops x Morone saxatilis*) [TC Hrubec et al], 131

Analgesia
Evaluation of selected cardiopulmonary and cerebral responses during medetomidine, propofol, and halothane anesthesia for laparoscopy in dogs [A Bufalari], 1443

Anatomy
Characterization of anatomic communications among the antebrachiocarpal, middle carpal, and carpometacarpal joints in cattle, using intra-articular latex, positive-contrast arthrography, and fluoroscopy [A Desrochers et al], 7
Structural, material, and anatomic characteristics of the collateral ligaments of the canine cubital joint [RL Vogelsang et al], 461
Characterization of anatomic communications of the fetlock in cattle, using intra-articular latex injection and positive-contrast arthrography [A Desrochers et al], 710
Developmental variation in lumbosacropelvic anatomy of Thoroughbred racehorses [KH Haussler et al], 1083
Prevalence, vasculature, and innervation of myocardial bridges in dogs [P Tangkawattana et al], 1209

Anemia, Equine Infectious
Infection of bone marrow macrophages by equine infectious anemia virus [CJ Swardson et al], 1402

Anesthesia
Effects of a carfentanil-xylazine combination on cardiopulmonary function and plasma catecholamine concentrations in female bongo antelopes [J Schumacher et al], 157
Effects of sedation, anesthesia, and endotracheal intubation on respiratory mechanics in adult horses [M Tomasic et al], 641
Acid-base, metabolic, and hemodynamic effects of sodium bicarbonate or tromethamine administration in anesthetized dogs with experimentally induced metabolic acidosis [PF Moon et al], 771
Cortisol suppression in cats after induction of anesthesia with etomidate, compared with ketamine-diazepam combination [PF Moon], 868
Cardiopulmonary and anesthetic effects of propofol in wild turkeys [J Schumacher et al], 1014
Effects of high-dose gentamicin sulfate on neuromuscular blockade in halothane-anesthetized horses [BA Hague et al], 1324
Effect of low-dose atropine administration on dobutamine dose requirement in horses anesthetized with detomidine and halothane [AB Weil et al], 1436
Evaluation of selected cardiopulmonary and cerebral responses during medetomidine, propofol, and halothane anesthesia for laparoscopy in dogs [A Bufalari], 1443
Comparison of alveolar ventilation, oxygenation, pressure support, and respiratory system resistance in response to noninvasive versus conventional ventilation in foals [AM Hoffman et al], 1463

Anesthesia, Epidural
Craniad migration of differing dosages of new methylene blue injected into the epidural space after death of calves and juvenile pigs [MJ Lopez et al], 786

Anesthesia, General
Cardiopulmonary effects of propofol infusion in llamas [T Duke et al], 153
Temporal effects of an infusion of dopexamine hydrochloride in horses anesthetized with halothane [LE Young et al], 516
Endocrine changes in cerebrospinal fluid, pituitary effluent, and peripheral plasma of anesthetized ponies [SPL Luna et al], 765
Distribution of technetium 99m-labeled red blood cells during isoflurane anesthesia in ferrets [RP Marini et al], 781
Cardiopulmonary effects of sevoflurane, compared with halothane, enflurane, and isoflurane, in dogs [T Mutoh et al], 885
Effects of halothane and sevoflurane on the electroretinogram of dogs [J Yanase et al], 904
Cardiovascular effects of equipotent isoflurane and alfentanil/isoflurane minimum alveolar concentration multiple in cats [PJ Pascoe et al], 1267
Effect of alfentanil on the minimum alveolar concentration of isoflurane in cats [JE Ilkiw et al], 1274
Cardiovascular effects of buprenorphine in anesthetized dogs [EA Martinez et al], 1280

Angiotensin I
Plasma renin activity and angiotensin I and aldosterone concentrations in cats with hypertension associated with chronic renal disease [JL Jansen et al], 535

Angiotensin II
Effects of naturally acquired decompensated mitral valve regurgitation on the renin-angiotensin-aldosterone system and atrial natriuretic peptide concentration in dogs [J Häggström et al], 77

Annual Report
AJVR Annual Report, 1996, 204

Antelope
Effects of a carfentanil-xylazine combination on cardiopulmonary function and plasma catecholamine concentrations in female bongo antelopes [J Schumacher et al], 157

Antibodies, Monoclonal
Isolation and characterization of the canine melanoma antigen recognized by the murine monoclonal antibody IBF9 and its distribution in cultured canine melanoma cell lines [JL Oliver et al], 46
Diagnosis of ovine enzootic abortion, using a competitive ELISA based on monoclonal antibodies against variable segments 1 and 2 of the major outer membrane protein of *Chlamydia psittaci* serotype 1 [V Salti-Montesanto et al], 228
Functional and phenotypic characterization of monoclonal antibodies to bovine L-selectin [Y Wang et al], 1392

Antihistamines
Effect of H_1-antihistamines on histamine release from dispersed canine cutaneous mast cells [G García et al], 293

Antimicrobial Therapy
Experimentally induced *Bartonella henselae* infections followed by challenge exposure and antimicrobial therapy in cats (Pub December 1996, p 1714)
Correction, 804

Apolipoproteins
Decreased serum apolipoprotein B-100 and A-I concentrations in cows with ketosis and left displacement of the abomasum [S Oikawa et al], 121
Secretion of apolipoprotein A-I by calf liver parenchyma cells [T Miyamoto et al], 811

Arthrography
Characterization of anatomic communications among the antebrachiocarpal, middle carpal, and carpometacarpal joints in cattle, using intra-articular latex, positive-contrast arthrography, and fluoroscopy [A Desrochers et al], 7
Characterization of anatomic communications of the fetlock in cattle, using intra-articular latex injection and positive-contrast arthrography [A Desrochers et al], 710

Arthroscopy
Effects of intravenous administration of sodium hyaluronate on carpal joints in exercising horses after arthroscopic surgery and osteochondral fragmentation [CE Kawcak et al], 1132
Effect of low-dose atropine administration on dobutamine dose requirement in horses anesthetized with detomidine and halothane [AB Weil et al], 1436

Aspartate Transaminase
Evaluation of aspartate transaminase activity and ß-hydroxybutyrate concentration in blood as tests for prediction of left displaced abomasum in dairy cows [T Geishauser et al], 1216

Aspergillosis
Detection of antibodies to *Aspergillus fumigatus* in serum of horses with mycosis of the auditory tube diverticulum (guttural pouch) [J Guillot et al], 1364

Aspergillus fumigatus
Detection of antibodies to *Aspergillus fumigatus* in serum of horses with mycosis of the auditory tube diverticulum (guttural pouch) [J Guillot et al], 1364

Asthma
Muscarinic hyperresponsiveness of antigen-sensitized feline airway smooth muscle in vitro [RW Mitchell et al], 672

Atrial Natriuretic Peptide
Effects of naturally acquired decompensated mitral valve regurgitation on the renin-angiotensin-aldosterone system and atrial natriuretic peptide concentration in dogs [J Häggström et al], 77

Atropine
Effect of low-dose atropine administration on dobutamine dose requirement in horses anesthetized with detomidine and halothane [AB Weil et al], 1436

Auditory Tube Diverticulum
Detection of antibodies to *Aspergillus fumigatus* in serum of horses with mycosis of the auditory tube diverticulum (guttural pouch) [J Guillot et al], 1364

B

Backscatter, Ultrasonic
Measurement of cyclic variation in ultrasonic integrated backscatter in conscious, unsedated, clinically normal dogs [VL Fuentes et al], 1055

Bacteremia
Relapsing bacteremia after blood transmission of *Bartonella henselae* to cats [DL Kordick et al], 492

Baculovirus
Active and passive immune responses to transmissible gastroenteritis virus (TGEV) in swine inoculated with recombinant baculovirus-expressed TGEV spike glycoprotein vaccines [DI Shoup et al], 242

Bartonella henselae
Relapsing bacteremia after blood transmission of *Bartonella henselae* to cats [DL Kordick et al], 492

Experimentally induced *Bartonella henselae* infections followed by challenge exposure and antimicrobial therapy in cats (Pub December 1996, p 1714)
Correction: 804

Bartonella vinsonii
Epidemiologic evaluation of the risk factors associated with exposure and seroreactivity to *Bartonella vinsonii* in dogs [BL Pappalardo et al], 467

Behavior
Serum concentrations of zinc and copper in Bull Terriers with lethal acrodermatitis and tail-chasing behavior [Y Uchida et al], 808

Bicarbonate
Effects of sample handling on total carbon dioxide concentrations in canine and feline serum and blood [KM James et al], 343
Effect of sodium bicarbonate administration on blood constituents of horses [LJ Rivas et al], 658
Effect of sodium bicarbonate administration on renal function of horses [LJ Rivas et al], 664
Acid-base, metabolic, and hemodynamic effects of sodium bicarbonate or tromethamine administration in anesthetized dogs with experimentally induced metabolic acidosis [PF Moon et al], 771

Bioassay
Comparison of the PK(15)- and WEHI 164 (clone 13)-based bioassays for the detection of porcine tumor necrosis factor [NM Boury et al], 1115

Biochemistry
Effects of time and dilution on concentration of xanthine in frozen urine and plasma of dogs [JW Bartges et al], 118
Effects of temperature on hematologic and serum biochemical profiles of hybrid striped bass (*Morone chrysops x Morone saxatilis*) [TC Hrubec et al], 126
Effects of ammonia and nitrate concentration on hematologic and serum biochemical profiles of hybrid striped bass (*Morone chrysops x Morone saxatilis*) [TC Hrubec et al], 131
Effects of sample handling on total carbon dioxide concentrations in canine and feline serum and blood [KM James et al], 343
Physical, hematologic, biochemical, and immunologic effects of supranutritional supplementation with dietary selenium in Holstein cows [RG Ellis et al], 760

Biodistribution
Scintigraphic biodistribution and plasma kinetics of indium 111-labeled transferrin in dogs [CR Berry et al], 1188

Biomechanics
Biomechanical characterization of passive laxity of the hip joint in dogs [GK Smith et al], 1078

Biomicroscopy
Ultrasound biomicroscopy of globes from young adult pigs [LR Bartholomew et al], 942

Bleomycin
Comparison of intratumoral administration of cisplatin versus bleomycin for treatment of periocular squamous cell carcinomas in horses [AP Théon et al], 431

Blood Cell Counting
Effects of temperature on hematologic and serum biochemical profiles of hybrid striped bass (*Morone chrysops x Morone saxatilis*) [TC Hrubec et al], 126
Effects of ammonia and nitrate concentration on hematologic and serum biochemical profiles of hybrid striped bass (*Morone chrysops x Morone saxatilis*) [TC Hrubec et al], 131
Physical, hematologic, biochemical, and immunologic effects of supranutritional supplementation with dietary selenium in Holstein cows [RG Ellis et al], 760

Blood Collection Tubes
Effects of sample handling on total carbon dioxide concentrations in canine and feline serum and blood [KM James et al], 343

Blood Flow, Renal
Use of Doppler ultrasonography to evaluate renal arterial blood flow in horses [KL Hoffmann et al], 697

Blood Pressure
Effect of furosemide and subsequent intravenous fluid administration on right atrial pressure of splenectomized horses [LJ Rivas et al], 632
Effects of certain vasoactive agents on the long-term pattern of blood pressure, heart rate, and motor activity in cats [SA Brown et al], 647

Body Weight
Body weight, fluid, electrolyte, and hormonal changes in horses competing in 50- and 100-mile endurance rides [HC Schott II et al], 303

Boldenone
Excretion of the anabolic steroid hormone boldenone by racing pigeons [H-W Hagedorn et al], 224

Bone, Cancellous
Effects of multiple freezing-thawing cycles on ultimate indentation load and stiffness of bovine cancellous bone [Q Kang et al], 1171

Bone, Cortical
Pregnancy-associated changes in material properties of the third metacarpal cortical bone in mares [DL Hawkins et al], 182

Bone Marrow
Characterization of eosinophil progenitor cells in feline bone marrow [KM Young et al], 348
Infection of bone marrow macrophages by equine infectious anemia virus [CJ Swardson et al], 1402

Border Disease Virus
Immunohistochemical diagnosis of pestivirus infection associated with bovine and ovine abortion and perinatal death [B Thür et al], 1371

Bovine Viral Diarrhea Virus
Immunohistochemical diagnosis of pestivirus infection associated with bovine and ovine abortion and perinatal death [B Thür et al], 1371

Breath Test
Ventilatory effects of the single-breath CO_2 test, compared with eructation, in cattle [F Rollin et al], 310
Use of a breath test to determine the fate of swallowed fluids in cattle [LW McLeay et al], 1314

Bronchi
Muscarinic hyperresponsiveness of antigen-sensitized feline airway smooth muscle in vitro [RW Mitchell et al], 672

Brucella abortus
Safety and immmunogenicity of *Brucella abortus* strain RP51 vaccine in pregnant cattle [MV Palmer et al], 472
Effects of oral or intravenous inoculation with the vaccine *Brucella abortus* strain RB51 in Beagles [MV Palmer et al], 851

Buprenorphine
Cardiovascular effects of buprenorphine in anesthetized dogs [EA Martinez et al], 1280

C

Caffeine
Comparative pharmacokinetics of caffeine and three metabolites in clinically normal horses and ponies [K Peck et al], 881

Calcium
Effects of tromethamine buffer on coagulation variables and ionized calcium concentration in dogs [PF Moon et al], 777

Camels
Pharmacokinetics of phenylbutazone in camels [IAR Wasfi et al], 636

Campylobacter coli
Application of multiplex polymerase chain reaction for rapid identification of *Campylobacter jejuni* and *C coli* associated with reproductive failure [IV Wesley et al], 1070

Campylobacter jejuni
Application of multiplex polymerase chain reaction for rapid identification of *Campylobacter jejuni* and *C coli* associated with reproductive failure [IV Wesley et al], 1070

Canarypox Virus
Protection of dogs against canine distemper by vaccination with a canarypox virus recombinant expressing canine distemper virus fusion and hemagglutination glycoproteins [MC Pardo et al], 833

Canine Distemper
Protective vaccination of ferrets against canine distemper with recombinant pox virus vaccines expressing the H or F genes of rinderpest virus [L Jones et al], 590
Protection of dogs against canine distemper by vaccination with a canarypox virus recombinant expressing canine distemper virus fusion and hemagglutination glycoproteins [MC Pardo et al], 833

Caprine Arthritis-Encephalitis
Immortalization of caprine fibroblasts permissive for replication of small ruminant lentiviruses [MF Da Silva Teixeira et al], 579

Carbohydrates
Role of carbohydrates in the attachment of equine spermatozoa to the uterine tubal (oviductal) epithelial cells in vitro (Pub November 1996, p 1635)
Letter: 4
Effect of postexercise carbohydrate supplementation on muscle glycogen repletion in trained sled dogs [AJ Reynolds et al], 1252

Carbon Dioxide
Effects of sample handling on total carbon dioxide concentrations in canine and feline serum and blood [KM James et al], 343
Use of a breath test to determine the fate of swallowed fluids in cattle [LW McLeay et al], 1314

Carboplatin
Hematologic and systemic toxicoses associated with carboplatin administration in cats [KA Hahn et al], 677

Cardiomyopathy, Dilated
Deficiencies of myocardial troponin-T and creatine kinase MB isoenzyme in dogs with idiopathic dilated cardiomyopathy [PJ O'Brien], 11

Cardiopulmonary Function
Cardiopulmonary effects of propofol infusion in llamas [T Duke et al], 153
Effects of a carfentanil-xylazine combination on cardiopulmonary function and plasma catecholamine concentrations in female bongo antelopes [J Schumacher et al], 157
Effect of continuous venovenous hemofiltration on cardiopulmonary function in a porcine model of endotoxin-induced shock [ED Murphey et al], 408
Cardiopulmonary effects of sevoflurane, compared with halothane, enflurane, and isoflurane, in dogs [T Mutoh et al], 885
Cardiorespiratory and metabolic effects of walking, standing, and standing with a splint during the recuperative period from maximal exercise in horses [JAE Hubbell et al], 1003
Evaluation of noninvasive monitoring techniques in domestic ferrets (*Mustelo putorius furo*) [JM Olin et al], 1065
Evaluation of selected cardiopulmonary and cerebral responses during medetomidine, propofol, and halothane anesthesia for laparoscopy in dogs [A Bufalari], 1443

Cardiovascular System
Temporal effects of an infusion of dopexamine hydrochloride in horses anesthetized with halothane [LE Young et al], 516
Cardiovascular effects of equipotent isoflurane and alfentanil/isoflurane minimum alveolar concentration multiple in cats [PJ Pascoe et al], 1267
Cardiovascular effects of buprenorphine in anesthetized dogs [EA Martinez et al], 1280

Carfentanil
Effects of a carfentanil-xylazine combination on cardiopulmonary function and plasma catecholamine concentrations in female bongo antelopes [J Schumacher et al], 157

Carprofen
Effect of carprofen on sulfated glycosaminoglycan metabolism, protein synthesis, and prostaglandin release by cultured osteoarthritic canine chondrocytes [HP Benton et al], 286

Carpus
Characterization of anatomic communications among the antebrachiocarpal, middle carpal, and carpometacarpal joints in cattle, using intra-articular latex, positive-contrast arthrography, and fluoroscopy [A Desrochers et al], 7
Determination of an effective dose of eltenac and its comparison with that of flunixin meglumine in horses after experimentally induced carpitis [D Hamm et al], 298
Effects of intravenous administration of sodium hyaluronate on carpal joints in exercising horses after arthroscopic surgery and osteochondral fragmentation [CE Kawcak et al], 1132

Cartilage
Insulin-like growth factor 1 and corticosteroid modulation of chondrocyte metabolic and mitogenic activities in interleukin 1-conditioned equine cartilage [DD Frisbie et al], 524
Correction: 701
Evaluation of the catabolic activity of cartilage by measurement of serum keratan sulfate concentration in foals [M Okumura et al], 925
Variations in the mechanical properties of cartilage from the canine scapulohumeral joint [D Korvick et al], 949

Catecholamines
Effects of a carfentanil-xylazine combination on cardiopulmonary function and plasma catecholamine concentrations in female bongo antelopes [J Schumacher et al], 157

Cats
Use of injectable lufenuron for treatment of infestations of *Ctenocephalides felis* in cats [M Franc et al], 140
Effects of choreito consumption on urine variables of healthy cats fed a magnesium-supplemented commercial diet [CAT Buffington et al], 146
Effects of choreito and takushya consumption on in vitro and in vivo struvite solubility in cat urine [CAT Buffington et al], 150
Effects of sample handling on total carbon dioxide concentrations in canine and feline serum and blood [KM James et al], 343
Characterization of eosinophil progenitor cells in feline bone marrow [KM Young et al], 348
Changes in nutrient and protein composition of cat milk during lactation [Y Adkins et al], 370
Muscarinic hyperresponsiveness of antigen-sensitized feline airway smooth muscle in vitro [RW Mitchell et al], 672
Repeated physical and cytologic characterizations of subcutaneous postvaccinal reactions in cats [AE Schultze et al], 719
Reliability of using random urine samples for "spot" determination of fractional excretion of electrolytes in cats [DR Finco et al], 1184

Cats, Diseases
Attempted immunization of cats with feline infectious peritonitis virus propagated at reduced temperatures [CW Baldwin et al], 251
Use of nested polymerase chain reaction to identify feline herpesvirus in ocular tissue from clinically normal cats and cats with corneal sequestra or conjunctivitis [J Stiles et al], 338
Relapsing bacteremia after blood transmission of *Bartonella henselae* to cats [DL Kordick et al], 492
Plasma renin activity and angiotensin I and aldosterone concentrations in cats with hypertension associated with chronic renal disease [JL Jansen et al], 535
Chromogranin A plasma concentration and expression in pancreatic islet cell tumors of dogs and cats [NC Myers et al], 615
Profile of electrodiagnostic abnormalities in cats with GM1 gangliosidosis [JE Steiss et al], 706
Comparison of nested polymerase chain reaction, virus isolation, and fluorescent antibody testing for identifying feline herpesvirus in cats with conjunctivitis [J Stiles et al], 804
Dietary modulation of methotrexate-induced enteritis in cats [SL Marks et al], 989

Cats, Drugs and Treatment
Pharmacokinetics of propranolol in healthy cats during euthyroid and hyperthyroid states [G Jacobs et al], 398
Effects of certain vasoactive agents on the long-term pattern of blood pressure, heart rate, and motor activity in cats [SA Brown et al], 647
Hematologic and systemic toxicoses associated with carboplatin administration in cats [KA Hahn et al], 677
Cortisol suppression in cats after induction of anesthesia with etomidate, compared with ketamine-diazepam combination [PF Moon], 868
Itraconazole disposition after single oral and intravenous and multiple oral dosing in healthy cats [DM Boothe et al], 872
Effects of valacyclovir in cats infected with feline herpesvirus 1 [MP Nasisse et al], 1141
Comparison of flea control stategies using imidacloprid or lufenuron on cats in a controlled simulated home environment [DE Jacobs et al], 1260
Cardiovascular effects of equipotent isoflurane and alfentanil/isoflurane minimum alveolar concentration multiple in cats [PJ Pascoe et al], 1267
Effect of alfentanil on the minimum alveolar concentration of isoflurane in cats [JE Ilkiw et al], 1274

Cattle
Characterization of anatomic communications among the antebrachiocarpal, middle carpal, and carpometacarpal joints in cattle, using intra-articular latex, positive-contrast arthrography, and fluoroscopy [A Desrochers et al], 7

Ventilatory effects of the single-breath CO_2 test, compared with eructation, in cattle [F Rollin et al], 310
Detection of antibody to *Salmonella* lipopolysaccharide in muscle fluid from cattle [J Hoorfar et al], 334
Stability of γ-glutamyltransferase activity in calf sera after refrigerated or frozen storage [F Muller et al], 354
In vitro effects of an acidic by-product feed on bovine teeth [GM Rogers et al], 498
Purification and characterization of bovine complement component C3 and its cleavage products [AL DiCarlo et al], 585
Resazurin reduction as a function of respiratory burst in bovine neutrophils [W Fang et al], 601
Characterization of anatomic communications of the fetlock in cattle, using intra-articular latex injection and positive-contrast arthrography [A Desrochers et al], 710
Craniad migration of differing dosages of new methylene blue injected into the epidural space after death of calves and juvenile pigs [MJ Lopez et al], 786
Secretion of apolipoprotein A-I by calf liver parenchyma cells [T Miyamoto et al], 811
Characterization of cytokine profiles and double-positive lymphocyte subpopulations in the normal bovine lung [NL Mathy et al], 969
Effects of multiple freezing-thawing cycles on ultimate indentation load and stiffness of bovine cancellous bone [Q Kang et al], 1171
Urine N-acetyl-ß-N-glucosaminidase activity in healthy cattle [R Sato et al], 1197
Development of an automated turbidimetric immunoassay for quantification of bovine serum immunoglobulin G [LR Etzel et al], 1201
Use of a breath test to determine the fate of swallowed fluids in cattle [LW McLeay et al], 1314

Cattle, Diseases
Effect of natural infection with minor pathogens on susceptibility to natural infection with major pathogens in the bovine mammary gland [TJGM Lam et al], 17
Role of tissue factor in intra-alveolar fibrin deposition and coagulopathy associated with pneumonic pasteurellosis in cattle [J Rashid et al], 28
Determination of concentration of albendazole sulfoxide in plasma and uterine fluid of heifers [SE Piscopo et al], 62
Decreased serum apolipoprotein B-100 and A-I concentrations in cows with ketosis and left displacement of the abomasum [S Oikawa et al], 121
Safety and efficacy of an avirulent live *Salmonella choleraesuis* vaccine for protection of calves against *Salmonella dublin* infection [BC Fox et al], 265
Efficacy of doramectin for treatment of experimentally induced infection with gastrointestinal nematodes in calves [CE Couvillion et al], 282
Safety and immmunogenicity of *Brucella abortus* strain RP51 vaccine in pregnant cattle [MV Palmer et al], 472
Diversity of *Streptococcus agalactiae* and *Staphylococcus aureus* ribotypes recovered from New York dairy herds [AL Rivas et al], 482
Immunohistochemical localization of α_1-acid glycoprotein in liver tissues of bovine fetuses, newborn calves, and sick or healthy adult cattle [H Itoh et al], 725
Humoral response of dairy cattle to spirochetes isolated from papillomatous digital dermatitis lesions [RL Walker et al], 744
Hormonal modulation of the physiologic responses of calves infected with *Eimeria bovis* [HL Heath et al], 891
Myoelectric activity of the cecum and proximal loop of the ascending colon in cows after spontaneous cecal dilatation/dislocation [S Stocker et al], 961
Safety and efficacy of a mutagen-attenuated Rift Valley fever virus vaccine in cattle [JC Morrill et al], 1104
Safety of a mutagen-attenuated Rift Valley fever virus vaccine in fetal and neonatal bovids [JC Morrill et al], 1110
Infection of polarized epithelial cells with enteric and respiratory tract bovine coronaviruses and release of virus progeny [X Lin et al], 1120
Evaluation of aspartate transaminase activity and ß-hydroxybutyrate concentration in blood as tests for prediction of left displaced abomasum in dairy cows [T Geishauser et al], 1216
Clinical, morphologic, and biochemical characteristics of Chediak-Higashi syndrome in fifty-six Japanese Black cattle [H Ogawa et al], 1221
Effects of *Pasteurella haemolytica* leukotoxin and lipopolysaccharide on histamine, prostanoid, and leukotriene release by bovine lung parenchyma in vitro [R Saban et al], 1227
Immunohistochemical diagnosis of pestivirus infection associated with bovine and ovine abortion and perinatal death [B Thür et al], 1371
Effect of congenitally acquired *Neospora caninum* infection on risk of abortion and subsequent abortions in dairy cattle [MC Thurmond et al], 1381
Functional and phenotypic characterization of monoclonal antibodies to bovine L-selectin [Y Wang et al], 1392

Cattle, Drugs and Treatment
Efficacy of a pour-on formulation of eprinomectin (MK-397) against nematode parasites of cattle, with emphasis on inhibited early fourth-stage larvae of *Ostertagia* spp [JC Williams et al], 379
Efficacy of fenbendazole for treatment of giardiasis in calves [RM O'Handley et al], 384
Prophylaxis of respiratory distress syndrome in premature calves by administration of dexamethasone or a prostaglandin F_2 analogue to their dams before parturition [W Zaremba et al], 404
Acute effects of intravenously administered hypotonic saline solution on transruminal rehydration in dairy cows [BL Roeder et al], 549
Nematocidal efficacy of eprinomectin, delivered topically, in naturally infected cattle [TA Yazwinski et al], 612
Physical, hematologic, biochemical, and immunologic effects of supranutritional supplementation with dietary selenium in Holstein cows [RG Ellis et al], 760
Comparison of effects of albendazole sulfoxide on in vitro produced bovine embryos and rat embryos [SE Piscopo et al], 1038
Efficacy of eprinomectin against mange mites in cattle [D Barth et al], 1257

Cecum
Myoelectric activity of the cecum and proximal loop of the ascending colon in cows after spontaneous cecal dilatation/dislocation [S Stocker et al], 961

Cerebrospinal Fluid
Endocrine changes in cerebrospinal fluid, pituitary effluent, and peripheral plasma of anesthetized ponies [SPL Luna et al], 765
High resolution protein electrophoresis of equine cerebrospinal fluid [M Furr et al], 939

Chediak-Higashi Syndrome
Clinical, morphologic, and biochemical characteristics of Chediak-Higashi syndrome in fifty-six Japanese Black cattle [H Ogawa et al], 1221

Chemotherapy
Comparison of intratumoral administration of cisplatin versus bleomycin for treatment of periocular squamous cell carcinomas in horses [AP Théon et al], 431

Chlamydia pecorum
Diagnosis of ovine enzootic abortion, using a competitive ELISA based on monoclonal antibodies against variable segments 1 and 2 of the major outer membrane protein of *Chlamydia psittaci* serotype 1 [V Salti-Montesanto et al], 228

Chlamydia psittaci
Diagnosis of ovine enzootic abortion, using a competitive ELISA based on monoclonal antibodies against variable segments 1 and 2 of the major outer membrane protein of *Chlamydia psittaci* serotype 1 [V Salti-Montesanto et al], 228

***Chlamydia* spp**
Prevalence of intestinal chlamydial infection in pigs in the midwest, as determined by immunoperoxidase staining [JC Nietfield et al], 260

Chondrocytes
Altered biological activity of equine chondrocytes cultured in a three-dimensional fibrin matrix and supplemented with transforming growth factor B-1 [LA Fortier et al], 66
Effect of carprofen on sulfated glycosaminoglycan metabolism, protein synthesis, and prostaglandin release by cultured osteoarthritic canine chondrocytes [HP Benton et al], 286
Three-dimensional culture of canine articular chondrocytes on multiple transplantable substrates [JL Cook et al], 419
Insulin-like growth factor 1 and corticosteroid modulation of chondrocyte metabolic and mitogenic activities in interleukin 1-conditioned equine cartilage [DD Frisbie et al], 524
Correction: 701

Choreito
Effects of choreito consumption on urine variables of healthy cats fed a magnesium-supplemented commercial diet [CAT Buffington et al], 146
Effects of choreito and takushya consumption on in vitro and in vivo struvite solubility in cat urine [CAT Buffington et al], 150

Chorioptes bovis
Efficacy of eprinomectin against mange mites in cattle [D Barth et al], 1257

Chromium
Effect of growth hormone or chromium picolinate on swine metabolism and inflammatory cytokine production after endotoxin challenge exposure [MJ Myers et al], 594

Chromogranin A
Chromogranin A plasma concentration and expression in pancreatic islet cell tumors of dogs and cats [NC Myers et al], 615

Cimetidine
Clinical evaluation of cimetidine, sucralfate, and misoprostol for prevention of gastrointestinal bleeding in dogs undergoing spinal surgery [SM Hanson et al], 1320

Cisapride
Pharmacokinetics of cisapride in horses after intravenous and rectal administration [G Cook et al], 1427

Cisplatin
Comparison of intratumoral administration of cisplatin versus bleomycin for treatment of periocular squamous cell carcinomas in horses [AP Théon et al], 431

Clostridium perfringens
Multiplex polymerase chain reaction assay for genotyping *Clostridium perfringens* [RR Meer et al], 702

Coagulation
Optimization of prothrombin time measurements in canine plasma [R Mischke et al], 236
Oncotic, hemodilutional, and hemostatic effects of isotonic saline and hydroxyethyl starch solutions after infusion in clinically normal ponies [PA Jones], 541
Effects of tromethamine buffer on coagulation variables and ionized calcium concentration in dogs [PF Moon et al], 777

Coagulopathy
Role of tissue factor in intra-alveolar fibrin deposition and coagulopathy associated with pneumonic pasteurellosis in cattle [J Rashid et al], 28

Colon
Effects of flunixin meglumine on short circuit current in equine colonic mucosa in vitro [DE Freeman et al], 915
Myoelectric activity of the cecum and proximal loop of the ascending colon in cows after spontaneous cecal dilatation/dislocation [S Stocker et al], 961
Role of endothelium and nitric oxide in the in vitro response of equine colonic venous rings to vasoconstrictor agents [RM Moore et al], 1145

Colostrum
Changes in nutrient and protein composition of cat milk during lactation [Y Adkins et al], 370

Coming Meetings and Certification Examinations, 322, 437, 560, 680, 791, 799, 1043, 1348

Complement
Purification and characterization of bovine complement component C3 and its cleavage products [AL DiCarlo et al], 585

Conjunctivitis
Use of nested polymerase chain reaction to identify feline herpesvirus in ocular tissue from clinically normal cats and cats with corneal sequestra or conjunctivitis [J Stiles et al], 338
Comparison of nested polymerase chain reaction, virus isolation, and fluorescent antibody testing for identifying feline herpesvirus in cats with conjunctivitis [J Stiles et al], 804

Continence, Urinary
Effect of intra-abdominally induced pressure on the urethral pressure profiles of healthy and incontinent bitches [R Theus et al], 555

Copper
Linkage of a microsatellite marker to the canine copper toxicosis locus in Bedlington Terriers [V Yuzbasiyan-Gurkan et al], 23
Letter: 568
Serum concentrations of zinc and copper in Bull Terriers with lethal acrodermatitis and tail-chasing behavior [Y Uchida et al], 808

Coronaviruses
Infection of polarized epithelial cells with enteric and respiratory tract bovine coronaviruses and release of virus progeny [X Lin et al], 1120

Corticosteroids
Insulin-like growth factor 1 and corticosteroid modulation of chondrocyte metabolic and mitogenic activities in interleukin 1-conditioned equine cartilage [DD Frisbie et al], 524
Correction: 701

Corticotropin
Immunocytochemical localization of adrenocorticotropic hormone-immunoreactive cells of the pars intermedia of Thoroughbreds [T Okada et al], 920

Cortisol
Cortisol suppression in cats after induction of anesthesia with etomidate, compared with ketamine-diazepam combination [PF Moon], 868

Creatine Kinase Isoenzymes
Deficiencies of myocardial troponin-T and creatine kinase MB isoenzyme in dogs with idiopathic dilated cardiomyopathy [PJ O'Brien], 11

Cryopreservation
Room temperature storage and cryopreservation of canine platelet concentrates [K Allyson et al], 1338

Ctenocephalides felis
Use of injectable lufenuron for treatment of infestations of *Ctenocephalides felis* in cats [M Franc et al], 140
Efficacy of imidacloprid for removal and control of fleas *(Ctenocephalides felis)* on dogs [RG Arther et al], 848
Comparison of flea control stategies using imidacloprid or lufenuron on cats in a controlled simulated home environment [DE Jacobs et al], 1260

Culture, Cell
Isolation and characterization of the canine melanoma antigen recognized by the murine monoclonal antibody IBF9 and its distribution in cultured canine melanoma cell lines [JL Oliver et al], 46
Altered biological activity of equine chondrocytes cultured in a three-dimensional fibrin matrix and supplemented with transforming growth factor B-1 [LA Fortier et al], 66
Effect of H_1-antihistamines on histamine release from dispersed canine cutaneous mast cells [G García et al], 293
Three-dimensional culture of canine articular chondrocytes on multiple transplantable substrates [JL Cook et al], 419
Effect of heparin on infection of cells by porcine reproductive and respiratory syndrome virus [ER Jusa et al], 488
Immortalization of caprine fibroblasts permissive for replication of small ruminant lentiviruses [MF Da Silva Teixeira et al], 579
Secretion of apolipoprotein A-I by calf liver parenchyma cells [T Miyamoto et al], 811
Mitogenic effects of epidermal growth factor and platelet-derived growth factor on canine and equine mesangial cells in vitro [D Ennulat et al], 1308

Culture, Explant
Biochemical and site-specific effects of insulin-like growth factor I on intrinsic tenocyte activity in equine flexor tendons [DJ Murphy et al], 103
Effect of carprofen on sulfated glycosaminoglycan metabolism, protein synthesis, and prostaglandin release by cultured osteoarthritic canine chondrocytes [HP Benton et al], 286
Muscarinic hyperresponsiveness of antigen-sensitized feline airway smooth muscle in vitro [RW Mitchell et al], 672

Cysto-urethrometry
Simultaneous diuresis cysto-urethrometry and multi-channel urethral pressure profilometry in female dogs with refractory urinary incontinence [RF Nickel et al], 691

Cytokines
Effect of growth hormone or chromium picolinate on swine metabolism and inflammatory cytokine production after endotoxin challenge exposure [MJ Myers et al], 594
Characterization of cytokine profiles and double-positive lymphocyte subpopulations in the normal bovine lung [NL Mathy et al], 969

Cytology
Repeated physical and cytologic characterizations of subcutaneous postvaccinal reactions in cats [AE Schultze et al], 719

D

Dermatitis, Papillomatous Digital
Humoral response of dairy cattle to spirochetes isolated from papillomatous digital dermatitis lesions [RL Walker et al], 744

Detomidine
Effect of low-dose atropine administration on dobutamine dose requirement in horses anesthetized with detomidine and halothane [AB Weil et al], 1436

Deuterium Oxide
Measurement of total body water content in horses, using deuterium oxide dilution [FM Andrews et al], 1060

Dexamethasone
Prophylaxis of respiratory distress syndrome in premature calves by administration of dexamethasone or a prostaglandin F_2 analogue to their dams before parturition [W Zaremba et al], 404

Diagnostic Testing
Evaluation of aspartate transaminase activity and ß-hydroxybutyrate concentration in blood as tests for prediction of left displaced abomasum in dairy cows [T Geishauser et al], 1216

Diazepam
Age-related changes in the pharmacokinetic disposition of diazepam in foals [WM Norman et al], 878

Diet
Effects of choreito consumption on urine variables of healthy cats fed a magnesium-supplemented commercial diet [CAT Buffington et al], 146
Effects of choreito and takushya consumption on in vitro and in vivo struvite solubility in cat urine [CAT Buffington et al], 150
Effect of amount and type of dietary fiber on food intake in energy-restricted dogs [RF Butterwick et al], 272
Influence of two diets on pharmacokinetic parameters of allopurinol and oxypurinol in healthy Beagles [JW Bartges et al], 511
Dietary modulation of methotrexate-induced enteritis in cats [SL Marks et al], 989
Influence of blend of fructo-oligosaccharides and sugar beet fiber on nutrient digestibility and plasma metabolite concentrations in healthy Beagles [M Diez et al], 1238
Effects of various feeding regimens on the energy balance of equine neonates [JC Ousey et al], 1243
Metabolizable energy intake and sustained energy expenditure of Alaskan sled dogs during heavy exertion in the cold [KW Hinchcliff et al], 1457

Digestion
Influence of blend of fructo-oligosaccharides and sugar beet fiber on nutrient digestibility and plasma metabolite concentrations in healthy Beagles [M Diez et al], 1238

Digits
Humoral response of dairy cattle to spirochetes isolated from papillomatous digital dermatitis lesions [RL Walker et al], 744

Dirofilaria immitis
Decreased pulmonary arterial endothelium-dependent relaxation in heartworm-infected dogs with pulmonary hypertension [Y Matsukura et al], 171
Effect of arsenical drugs on in vitro vascular responses of pulmonary artery from heartworm-infected dogs [DS Maksimowich et al], 389
Effect of heartworm infection on in vitro contractile responses of canine pulmonary artery and vein [DS Maksimowich et al], 394

DNA
Nucleic acid amplification for rapid detection of *Rhodococcus equi* in equine blood and tracheal wash fluids [DC Sellon et al], 1232

Dogs
Evaluation of association of blood and bronchoalveolar eosinophil numbers and serum total immunoglobulin E concentration with the expression of nonspecific airway reactivity in dogs [DDS Collie et al], 34
Effects of time and dilution on concentration of xanthine in frozen urine and plasma of dogs [JW Bartges et al], 118
Effects of parathyroidectomy on induced renal failure in dogs [DR Finco et al], 188
Correction: 436
Spectro-temporal mapping of the surface electrocardiogram in clinically normal dogs [CA Calvert et al], 211
Optimization of prothrombin time measurements in canine plasma [R Mischke et al], 236
Effects of sample handling on total carbon dioxide concentrations in canine and feline serum and blood [KM James et al], 343
Effect of optical defocus on visual acuity in dogs [CJ Murphy et al], 414
Three-dimensional culture of canine articular chondrocytes on multiple transplantable substrates [JL Cook et al], 419
Structural, material, and anatomic characteristics of the collateral ligaments of the canine cubital joint [RL Vogelsang et al], 461
Effect of intra-abdominally induced pressure on the urethral pressure profiles of healthy and incontinent bitches [R Theus et al], 555
Variations in the mechanical properties of cartilage from the canine scapulohumeral joint [D Korvick et al], 949
Assessment of current techniques for determining tracheal luminal stenosis in dogs [ML Huber et al], 1051
Measurement of cyclic variation in ultrasonic integrated backscatter in conscious, unsedated, clinically normal dogs [VL Fuentes et al], 1055
Within- and between-examiner repeatability of distraction indices of the hip joints in dogs [GK Smith et al], 1076
Biomechanical characterization of passive laxity of the hip joint in dogs [GK Smith et al], 1078
Mechanisms of acute intraocular pressure increases after phacoemulsification lens extraction in dogs [PE Miller et al], 1159
Scintigraphic biodistribution and plasma kinetics of indium 111-labeled transferrin in dogs [CR Berry et al], 1188
Effects of selection and habituation on vertical ground reaction force in Greyhounds [PF Rumph et al], 1206
Prevalence, vasculature, and innervation of myocardial bridges in dogs [P Tangkawattana et al], 1209
Mitogenic effects of epidermal growth factor and platelet-derived growth factor on canine and equine mesangial cells in vitro [D Ennulat et al], 1308
Room temperature storage and cryopreservation of canine platelet concentrates [K Allyson et al], 1338
Accuracy of localizing radiopaque markers by abdominal radiography, and correlation between their gastric emptying rates and that of a canned food in dogs [WG Guilford et al], 1359
Metabolizable energy intake and sustained energy expenditure of Alaskan sled dogs during heavy exertion in the cold [KW Hinchcliff et al], 1457

Dogs, Diseases
Deficiencies of myocardial troponin-T and creatine kinase MB isoenzyme in dogs with idiopathic dilated cardiomyopathy [PJ O'Brien], 11
Linkage of a microsatellite marker to the canine copper toxicosis locus in Bedlington Terriers [V Yuzbasiyan-Gurkan et al], 23
Letter: 568
Isolation and characterization of the canine melanoma antigen recognized by the murine monoclonal antibody IBF9 and its distribution in cultured canine melanoma cell lines [JL Oliver et al], 46
Effects of naturally acquired decompensated mitral valve regurgitation on the renin-angiotensin-aldosterone system and atrial natriuretic peptide concentration in dogs [J Häggström et al], 77
Endotoxemia associated with experimentally induced multiple portosystemic shunts in dogs [LM Howe et al], 83
Decreased pulmonary arterial endothelium-dependent relaxation in heartworm-infected dogs with pulmonary hypertension [Y Matsukura et al], 171
Alterations in carbohydrate metabolism in dogs with nonhematopoietic malignancies [GJ Ogilvie et al], 277
Comparison of selected canine vaccines for their ability to induce protective immunity against canine parvovirus infection [LJ Larsen et al], 360
Effect of arsenical drugs on in vitro vascular responses of pulmonary artery from heartworm-infected dogs [DS Maksimowich et al], 389
Effect of heartworm infection on in vitro contractile responses of canine pulmonary artery and vein [DS Maksimowich et al], 394
Altered cerebrospinal fluid γ-aminobutyric acid and glutamate values in dogs with epilepsy [M Podell et al], 451
Epidemiologic evaluation of the risk factors associated with exposure and seroreactivity to *Bartonella vinsonii* in dogs [BL Pappalardo et al], 467
Simultaneous diuresis cysto-urethrometry and multi-channel urethral pressure profilometry in female dogs with refractory urinary incontinence [RF Nickel et al], 691
Acid-base, metabolic, and hemodynamic effects of sodium bicarbonate or tromethamine administration in anesthetized dogs with experimentally induced metabolic acidosis [PF Moon et al], 771
Serum concentrations of zinc and copper in Bull Terriers with lethal acrodermatitis and tail-chasing behavior [Y Uchida et al], 808
Overexpression of p53 tumor suppressor protein in spontaneously arising neoplasms of dogs [RM Gamblin et al], 857
Vitreous body glutamate concentration in dogs with glaucoma [DE Brooks et al], 864
Synovial fluid interleukin 6, tumor necrosis factor, and nitric oxide values in dogs with osteoarthritis secondary to cranial cruciate ligament rupture [CW Hay et al], 1027

Use of carbamylated hemoglobin concentration to differentiate acute from chronic renal failure in dogs [SL Vaden et al], 1193
Comparison of radiography, magnetic resonance imaging, and surgical findings in dogs with elbow dysplasia [FR Snaps et al], 1367

Dogs, Drugs and Treatment
Effect of amount and type of dietary fiber on food intake in energy-restricted dogs [RF Butterwick et al], 272
Effect of carprofen on sulfated glycosaminoglycan metabolism, protein synthesis, and prostaglandin release by cultured osteoarthritic canine chondrocytes [HP Benton et al], 286
Effect of H_1-antihistamines on histamine release from dispersed canine cutaneous mast cells [G García et al], 293
Effects of three sedative protocols on glomerular filtration rate in clinically normal dogs [SM Newell et al], 446
Bioavailability and pharmacokinetics of intravenously and orally administered allopurinol in healthy Beagles [JW Bartges et al], 504
Influence of two diets on pharmacokinetic parameters of allopurinol and oxypurinol in healthy Beagles [JW Bartges et al], 511
Kinetic gait analysis assessment of meloxicam efficacy in a canine sodium urate-induced synovitis model [AR Cross et al], 626
Effects of tromethamine buffer on coagulation variables and ionized calcium concentration in dogs [PF Moon et al], 777
Protection of dogs against canine distemper by vaccination with a canarypox virus recombinant expressing canine distemper virus fusion and hemagglutination glycoproteins [MC Pardo et al], 833
Efficacy of imidacloprid for removal and control of fleas (*Ctenocephalides felis*) on dogs [RG Arther et al], 848
Effects of oral or intravenous inoculation with the vaccine *Brucella abortus* strain RB51 in Beagles [MV Palmer et al], 851
Cardiopulmonary effects of sevoflurane, compared with halothane, enflurane, and isoflurane, in dogs [T Mutoh et al], 885
Effects of halothane and sevoflurane on the electroretinogram of dogs [J Yanase et al], 904
Influence of blend of fructo-oligosaccharides and sugar beet fiber on nutrient digestibility and plasma metabolite concentrations in healthy Beagles [M Diez et al], 1238
Effect of postexercise carbohydrate supplementation on muscle glycogen repletion in trained sled dogs [AJ Reynolds et al], 1252
Cardiovascular effects of buprenorphine in anesthetized dogs [EA Martinez et al], 1280
Clinical evaluation of cimetidine, sucralfate, and misoprostol for prevention of gastrointestinal bleeding in dogs undergoing spinal surgery [SM Hanson et al], 1320
Effects of medetomidine on serum insulin and plasma glucose concentrations in clinically normal dogs [SA Burton et al], 1440
Evaluation of selected cardiopulmonary and cerebral responses during medetomidine, propofol, and halothane anesthesia for laparoscopy in dogs [A Bufalari], 1443
Rehabilitation of dogs with surgically treated cranial cruciate ligament-deficient stifles by use of electrical stimulation of muscles [JM Johnson et al], 1473

Donkeys
Comparative pharmacokinetics of phenylbutazone and its metabolite oxyphenbutazone in clinically normal horses and donkeys [KL Mealey et al], 53

Dopexamine
Temporal effects of an infusion of dopexamine hydrochloride in horses anesthetized with halothane [LE Young et al], 516

Doppler Effect
Use of Doppler ultrasonography to evaluate renal arterial blood flow in horses [KL Hoffmann et al], 697

Doramectin
Efficacy of doramectin for treatment of experimentally induced infection with gastrointestinal nematodes in calves [CE Couvillion et al], 282

Drug Testing
Excretion of the anabolic steroid hormone boldenone by racing pigeons [H-W Hagedorn et al], 224

Dual Infections
Induction of dual infections in newborn and three-week-old pigs by use of two plaque size variants of porcine reproductive and respiratory syndrome virus [BK Park et al]

Dyschondroplasia
Biochemical, histochemical, and immunohistochemical characterization of distal tibial osteochondrosis in horses [JD Lillich et al], 89

E

Eimeria bovis
Hormonal modulation of the physiologic responses of calves infected with *Eimeria bovis* [HL Heath et al], 891

Elbow *see* Joint, Cubital

Electrocardiography
Spectro-temporal mapping of the surface electrocardiogram in clinically normal dogs [CA Calvert et al], 211

Electrodiagnostic Testing
Profile of electrodiagnostic abnormalities in cats with GM1 gangliosidosis [JE Steiss et al], 706

Electrolytes
Body weight, fluid, electrolyte, and hormonal changes in horses competing in 50- and 100-mile endurance rides [HC Schott II et al], 303
Reliability of using random urine samples for "spot" determination of fractional excretion of electrolytes in cats [DR Finco et al], 1184

Electrophoresis
High resolution protein electrophoresis of equine cerebrospinal fluid [M Furr et al], 939

Electrophoresis, Pulsed-field Gel
Comparison of pulsed-field gel electrophoresis and phage typing for discriminating poultry strains of *Staphylococcus aureus* [A Shimizu et al], 1412

Electroretinography
Effects of halothane and sevoflurane on the electroretinogram of dogs [J Yanase et al], 904

Eltenac
Determination of an effective dose of eltenac and its comparison with that of flunixin meglumine in horses after experimentally induced carpitis [D Hamm et al], 298

Embryo
Comparison of effects of albendazole sulfoxide on in vitro produced bovine embryos and rat embryos [SE Piscopo et al], 1038

Endothelium
Role of endothelium and nitric oxide in the in vitro response of equine colonic venous rings to vasoconstrictor agents [RM Moore et al], 1145

Endotoxemia
Endotoxemia associated with experimentally induced multiple portosystemic shunts in dogs [LM Howe et al], 83
Effects of acute endotoxemia on serum somatotropin and insulin-like growth factor I concentrations in prepubertal gilts [W Hevener et al], 1010
Effect of pentoxifylline, flunixin meglumine, and their combination on a model of endotoxemia in horses [A Baskett et al], 1291

Endotoxin
Effect of continuous venovenous hemofiltration on cardiopulmonary function in a porcine model of endotoxin-induced shock [ED Murphey et al], 408
Effect of growth hormone or chromium picolinate on swine metabolism and inflammatory cytokine production after endotoxin challenge exposure [MJ Myers et al], 594
Effects of pentoxifylline infusion on response of horses to in vivo challenge exposure with endotoxin [MH Barton et al], 1300

Endurance Ride
Body weight, fluid, electrolyte, and hormonal changes in horses competing in 50- and 100-mile endurance rides [HC Schott II et al], 303

Energy, Metabolizable
Metabolizable energy intake and sustained energy expenditure of Alaskan sled dogs during heavy exertion in the cold [KW Hinchcliff et al], 1457

Energy Balance
Effects of various feeding regimens on the energy balance of equine neonates [JC Ousey et al], 1243

Energy Expenditure
Metabolizable energy intake and sustained energy expenditure of Alaskan sled dogs during heavy exertion in the cold [KW Hinchcliff et al], 1457

Enflurane
Cardiopulmonary effects of sevoflurane, compared with halothane, enflurane, and isoflurane, in dogs [T Mutoh et al], 885

Enteral Feeding
Effects of various feeding regimens on the energy balance of equine neonates [JC Ousey et al], 1243

Enteritis
Dietary modulation of methotrexate-induced enteritis in cats [SL Marks et al], 989

Enteropathy, Proliferative
Oral administration of tylosin phosphate for treatment and prevention of proliferative enteropathy in pigs [S McOrist et al], 136
Induction of gross and microscopic lesions of porcine proliferative enteritis by *Lawsonia intracellaris* [LA Joens et al], 1125
Correction: 1192

Environment, Thermal
Effects of thermal environment on response to acute peripheral lipopolysaccharide challenge exposure in neonatal pigs [JJ Klir et al], 364

Eosinophilia
Evaluation of association of blood and bronchoalveolar eosinophil numbers and serum total immunoglobulin E concentration with the expression of nonspecific airway reactivity in dogs [DDS Collie et al], 34

Eosinophil Progenitor Cells
Characterization of eosinophil progenitor cells in feline bone marrow [KM Young et al], 348

Epidemiology
Investigation of a listeriosis epizootic in sheep in New York state [M Wiedmann et al], 733
Risk factors associated with the likelihood of leptospiral seropositivity in horses in the state of New York [RS Barwick et al], 1097

Epiglottis
Effects of bilateral hypoglossal and glossopharygeal nerve blocks on epiglottic and soft palate position in exercising horses [SJ Holcombe et al], 1022

Epilepsy
Altered cerebrospinal fluid γ-aminobutyric acid and glutamate values in dogs with epilepsy [M Podell et al], 451

Eprinomectin
Efficacy of a pour-on formulation of eprinomectin (MK-397) against nematode parasites of cattle, with emphasis on inhibited early fourth-stage larvae of *Ostertagia* spp [JC Williams et al], 379
Nematocidal efficacy of eprinomectin, delivered topically, in naturally infected cattle [TA Yazwinski et al], 612
Efficacy of eprinomectin against mange mites in cattle [D Barth et al], 1257

Eructation
Ventilatory effects of the single-breath CO_2 test, compared with eructation, in cattle [F Rollin et al], 310

Erythrocytes
Distribution of technetium 99m-labeled red blood cells during isoflurane anesthesia in ferrets [RP Marini et al], 781

Erythromycin
Effect of treatment with erythromycin on bronchoalveolar lavage fluid cell populations in foals [J Lakritz et al], 56
Correction: 337

Estradiol
Hormonal modulation of the physiologic responses of calves infected with *Eimeria bovis* [HL Heath et al], 891

Exercise
Resynthesis of glycogen in skeletal muscle from Standardbred trotters after repeated bouts of exercise [S Hyyppä et al], 162
Skeletal muscle characteristics and metabolic response to exercise in young Standardbreds [N Ronéus et al], 167
Use of dew-point hygrometry, direct sweat collection, and measurement of body water losses to determine sweating rates in exercising horses [JK Kingston et al], 175
Body weight, fluid, electrolyte, and hormonal changes in horses competing in 50- and 100-mile endurance rides [HC Schott II et al], 303
Effects of training on the development of exercise-induced arterial hypoxemia in horses [RM Christley et al], 653
Effects of airway obstruction on transmural pulmonary artery pressure in exercising horses [JA Jackson et al], 897
Cardiorespiratory and metabolic effects of walking, standing, and standing with a splint during the recuperative period from maximal exercise in horses [JAE Hubbell et al], 1003
Effects of bilateral hypoglossal and glossopharygeal nerve blocks on epiglottic and soft palate position in exercising horses [SJ Holcombe et al], 1022
Effect of postexercise carbohydrate supplementation on muscle glycogen repletion in trained sled dogs [AJ Reynolds et al], 1252
Exercise capacity in young and old mares [KH McKeever et al], 1468

Exercise-induced Pulmonary Hemorrhage
Plasma von Willebrand factor activity in Thoroughbreds in response to high-intensity treadmill exercise [JM Smith et al], 71
Effects of airway obstruction on transmural pulmonary artery pressure in exercising horses [JA Jackson et al], 897

Eye
Ultrasound biomicroscopy of globes from young adult pigs [LR Bartholomew et al], 942
In vitro flow characteristics of the Ahmed and self-constructed anterior chamber shunts [DT Strubbe et al], 1332

F

Feline Infectious Peritonitis
Attempted immunization of cats with feline infectious peritonitis virus propagated at reduced temperatures [CW Baldwin et al], 251

Fenbendazole
Efficacy of fenbendazole for treatment of giardiasis in calves [RM O'Handley et al], 384

Ferrets
Protective vaccination of ferrets against canine distemper with recombinant pox virus vaccines expressing the H or F genes of rinderpest virus [L Jones et al], 590
Distribution of technetium 99m-labeled red blood cells during isoflurane anesthesia in ferrets [RP Marini et al], 781
Pathogenesis of experimentally induced rabies in domestic ferrets [M Niezgoda et al], 1327

Fetal Heart Rate
Noninvasive monitoring of the fetal heart rate during the last ten days of gestation in sows [S Cohen et al], 1285

Fetlock *see* Joint, Metatarsophalangeal

Fetus
Immunohistochemical localization of α_1-acid glycoprotein in liver tissues of bovine fetuses, newborn calves, and sick or healthy adult cattle [H Itoh et al], 725

Fiber
Effect of amount and type of dietary fiber on food intake in energy-restricted dogs [RF Butterwick et al], 272

Fibrin
Role of tissue factor in intra-alveolar fibrin deposition and coagulopathy associated with pneumonic pasteurellosis in cattle [J Rashid et al], 28

Fibrin Polymers
Insulin-like growth factor I peptide elution profiles from fibrin polymers determined by use of high-performance liquid chromatography [RL Foley et al], 1431

Fibroblasts
Immortalization of caprine fibroblasts permissive for replication of small ruminant lentiviruses [MF Da Silva Teixeira et al], 579

Fishes
Effects of temperature on hematologic and serum biochemical profiles of hybrid striped bass (*Morone chrysops x Morone saxatilis*) [TC Hrubec et al], 126

Effects of ammonia and nitrate concentration on hematologic and serum biochemical profiles of hybrid striped bass (*Morone chrysops x Morone saxatilis*) [TC Hrubec et al], 131
Comparison of whole-cell antigens of pressure- and formalin-killed *Flexibacter columnaris* from channel catfish (*Ictalurus punctatus*) [JA Bader et al], 985
Secondary stress responses to acute handling stress by striped bass (*Morone saxatilis*) and hybrid striped bass (*Morone chrysops x Morone saxatilis*) [KJ Reubush et al], 1451

Fleas
Use of injectable lufenuron for treatment of infestations of *Ctenocephalides felis* in cats [M Franc et al], 140
Efficacy of imidacloprid for removal and control of fleas (*Ctenocephalides felis*) on dogs [RG Arther et al], 848
Comparison of flea control stategies using imidacloprid or lufenuron on cats in a controlled simulated home environment [DE Jacobs et al], 1260

Flexibacter columnaris
Comparison of whole-cell antigens of pressure- and formalin-killed *Flexibacter columnaris* from channel catfish (*Ictalurus punctatus*) [JA Bader et al], 985

Flunixin
Determination of an effective dose of eltenac and its comparison with that of flunixin meglumine in horses after experimentally induced carpitis [D Hamm et al], 298
Effects of flunixin meglumine on short circuit current in equine colonic mucosa in vitro [DE Freeman et al], 915
Effect of pentoxifylline, flunixin meglumine, and their combination on a model of endotoxemia in horses [A Baskett et al], 1291

Fluorescent Antibody Test
Comparison of nested polymerase chain reaction, virus isolation, and fluorescent antibody testing for identifying feline herpesvirus in cats with conjunctivitis [J Stiles et al], 804

Fluoroscopy
Characterization of anatomic communications among the antebrachiocarpal, middle carpal, and carpometacarpal joints in cattle, using intra-articular latex, positive-contrast arthrography, and fluoroscopy [A Desrochers et al], 7

Freezing/Thawing
Effects of multiple freezing-thawing cycles on ultimate indentation load and stiffness of bovine cancellous bone [Q Kang et al], 1171

Fructo-oligosaccharides
Influence of blend of fructo-oligosaccharides and sugar beet fiber on nutrient digestibility and plasma metabolite concentrations in healthy Beagles [M Diez et al], 1238

Furosemide
Effect of furosemide and subsequent intravenous fluid administration on right atrial pressure of splenectomized horses [LJ Rivas et al], 632

G

Gait Analysis
Effects of anesthesia of the palmar digital nerves on kinematic gait analysis in horses with and without navicular disease [KG Keegan et al], 218

Gangliosidosis
Profile of electrodiagnostic abnormalities in cats with GM1 gangliosidosis [JE Steiss et al], 706

Gastric Emptying
Accuracy of localizing radiopaque markers by abdominal radiography, and correlation between their gastric emptying rate and that of a canned food in dogs [WG Guilford et al], 1359

Gastrointestinal System
Efficacy of doramectin for treatment of experimentally induced infection with gastrointestinal nematodes in calves [CE Couvillion et al], 282
Clinical evaluation of cimetidine, sucralfate, and misoprostol for prevention of gastrointestinal bleeding in dogs undergoing spinal surgery [SM Hanson et al], 1320

Gene Expression
Overexpression of p53 tumor suppressor protein in spontaneously arising neoplasms of dogs [RM Gamblin et al], 857

Gene Mapping
Linkage of a microsatellite marker to the canine copper toxicosis locus in Bedlington Terriers [V Yuzbasiyan-Gurkan et al], 23
Letter: 568

Genes
Isolation and expression of a porcine lactoferrin gene [S-R Wang et al], 1152

Genotyping, Bacterial
Multiplex polymerase chain reaction assay for genotyping *Clostridium perfringens* [RR Meer et al], 702

Gentamicin
Effects of postoperative peritoneal lavage on pharmacokinetics of gentamicin in horses after celiotomy [JL Easter et al], 1166
Effects of high-dose gentamicin sulfate on neuromuscular blockade in halothane-anesthetized horses [BA Hague et al], 1324

***Giardia* sp**
Efficacy of fenbendazole for treatment of giardiasis in calves [RM O'Handley et al], 384

Glaucoma
Vitreous body glutamate concentration in dogs with glaucoma [DE Brooks et al], 864
In vitro flow characteristics of the Ahmed and self-constructed anterior chamber shunts [DT Strubbe et al], 1332

Glomerular Filtration Rate
Effects of three sedative protocols on glomerular filtration rate in clinically normal dogs [SM Newell et al], 446

Glomerulus
Mitogenic effects of epidermal growth factor and platelet-derived growth factor on canine and equine mesangial cells in vitro [D Ennulat et al], 1308

Glucosaminidase
Urine N-acetyl-ß-N-glucosaminidase activity in healthy cattle [R Sato et al], 1197

Glucose
Effects of medetomidine on serum insulin and plasma glucose concentrations in clinically normal dogs [SA Burton et al], 1440

Glucose-6-Phosphatase
Alterations in specific activity of glucose-6-phosphatase in laboratory rats after leptospiral exposure followed by triiodothyronine administration [C Dobrosielski-Vergona], 143

Glutamate
Altered cerebrospinal fluid γ-aminobutyric acid and glutamate values in dogs with epilepsy [M Podell et al], 451
Vitreous body glutamate concentration in dogs with glaucoma [DE Brooks et al], 864

γ-Glutamyltransferase
Stability of γ-glutamyltransferase activity in calf sera after refrigerated or frozen storage [F Muller et al], 354

Glycoconjugates
Distribution of glycoconjugates in the uterine tube (oviduct) of horses [BA Ball et al], 816

Glycogen, Muscle
Effect of postexercise carbohydrate supplementation on muscle glycogen repletion in trained sled dogs [AJ Reynolds et al], 1252

Glycoprotein, α_1-Acid
Immunohistochemical localization of α_1-acid glycoprotein in liver tissues of bovine fetuses, newborn calves, and sick or healthy adult cattle [H Itoh et al], 725

Glycoproteins, Viral
Active and passive immune responses to transmissible gastroenteritis virus (TGEV) in swine inoculated with recombinant baculovirus-expressed TGEV spike glycoprotein vaccines [DI Shoup et al], 242
Field trial to evaluate the immunogenicity of pseudorabies virus vaccines with deletions for glycoproteins G and E [LD Firkins et al], 976

Glycosaminoglycan
Effect of carprofen on sulfated glycosaminoglycan metabolism, protein synthesis, and prostaglandin release by cultured osteoarthritic canine chondrocytes [HP Benton et al], 286

Goats
Pathogenesis of infection induced by an adenovirus isolated from a goat [HD Lehmkuhl et al], 608
Efficacy of a subcutaneously administered, ultraviolet light-killed *Pasteurella multocida* A:3-containing bacterin against transthoracic challenge exposure in goats [CW Purdy et al], 841

Granulocytes
Clinical, morphologic, and biochemical characteristics of Chediak-Higashi syndrome in fifty-six Japanese Black cattle [H Ogawa et al], 1221

Growth
Hormonal modulation of the physiologic responses of calves infected with *Eimeria bovis* [HL Heath et al], 891

Growth Factors
Altered biological activity of equine chondrocytes cultured in a three-dimensional fibrin matrix and supplemented with transforming growth factor B-1 [LA Fortier et al], 66
Insulin-like growth factor 1 and corticosteroid modulation of chondrocyte metabolic and mitogenic activities in interleukin 1-conditioned equine cartilage [DD Frisbie et al], 524
Correction: 701
Effects of acute endotoxemia on serum somatotropin and insulin-like growth factor I concentrations in prepubertal gilts [W Hevener et al], 1010
Effect of combined administration of insulin-like growth factor and platelet-derived growth factor on the regeneration of transected and anastomosed sciatic nerve in rats [JA Welch et al], 1033
Mitogenic effects of epidermal growth factor and platelet-derived growth factor on canine and equine mesangial cells in vitro [D Ennulat et al], 1308
Insulin-like growth factor I peptide elution profiles from fibrin polymers determined by use of high-performance liquid chromatography [RL Foley et al], 1431

Growth Hormone
Effect of growth hormone or chromium picolinate on swine metabolism and inflammatory cytokine production after endotoxin challenge exposure [MJ Myers et al], 594

Guttural Pouch *see* Auditory Tube Diverticulum

H

Halothane
Cardiopulmonary effects of sevoflurane, compared with halothane, enflurane, and isoflurane, in dogs [T Mutoh et al], 885
Effects of halothane and sevoflurane on the electroretinogram [J Yanase et al], 904
Cardiovascular effects of buprenorphine in anesthetized dogs [EA Martinez et al], 1280
Effects of high-dose gentamicin sulfate on neuromuscular blockade in halothane-anesthetized horses [BA Hague et al], 1324
Effect of low-dose atropine administration on dobutamine dose requirement in horses anesthetized with detomidine and halothane [AB Weil et al], 1436
Evaluation of selected cardiopulmonary and cerebral responses during medetomidine, propofol, and halothane anesthesia for laparoscopy in dogs [A Bufalari], 1443

Head Movements
Modeling study of compensatory head movements in lame horses [MATM Vorstenbosch et al], 713

Heart
Prevalence, vasculature, and innervation of myocardial bridges in dogs [P Tangkawattana et al], 1209

Hemofiltration, Continuous Venovenous
Effect of continuous venovenous hemofiltration on cardiopulmonary function in a porcine model of endotoxin-induced shock [ED Murphey et al], 408

Hemoglobin, Carbamylated
Use of carbamylated hemoglobin concentration to differentiate acute from chronic renal failure in dogs [SL Vaden et al], 1193

Hemorrhage, Gastrointestinal
Clinical evaluation of cimetidine, sucralfate, and misoprostol for prevention of gastrointestinal bleeding in dogs undergoing spinal surgery [SM Hanson et al], 1320

Heparin
Effect of heparin on infection of cells by porcine reproductive and respiratory syndrome virus [ER Jusa et al], 488

Heredity
Linkage of a microsatellite marker to the canine copper toxicosis locus in Bedlington Terriers [V Yuzbasiyan-Gurkan et al], 23
Letter: 568
Clinical, morphologic, and biochemical characteristics of Chediak-Higashi syndrome in fifty-six Japanese Black cattle [H Ogawa et al], 1221

Herpesviruses
Use of nested polymerase chain reaction to identify feline herpesvirus in ocular tissue from clinically normal cats and cats with corneal sequestra or conjunctivitis [J Stiles et al], 338
Comparison of nested polymerase chain reaction, virus isolation, and fluorescent antibody testing for identifying feline herpesvirus in cats with conjunctivitis [J Stiles et al], 804
Use of transabdominal ultrasound-guided amniocentesis for detection of equid herpesvirus 1-induced fetal infection in utero [KC Smith et al], 997
Effects of valacyclovir in cats infected with feline herpesvirus 1 [MP Nasisse et al], 1141

Hip Dysplasia
Within- and between-examiner repeatability of distraction indices of the hip joints in dogs [GK Smith et al], 1076
Biomechanical characterization of passive laxity of the hip joint in dogs [GK Smith et al], 1078

Hip *see* Joint, Coxal

Histamine
Effects of *Pasteurella haemolytica* leukotoxin and lipopolysaccharide on histamine, prostanoid, and leukotriene release by bovine lung parenchyma in vitro [R Saban et al], 1227

Hormones
Body weight, fluid, electrolyte, and hormonal changes in horses competing in 50- and 100-mile endurance rides [HC Schott II et al], 303

Horses
Altered biological activity of equine chondrocytes cultured in a three-dimensional fibrin matrix and supplemented with transforming growth factor B-1 [LA Fortier et al], 66
Plasma von Willebrand factor activity in Thoroughbreds in response to high-intensity treadmill exercise [JM Smith et al], 71
Biochemical and site-specific effects of insulin-like growth factor I on intrinsic tenocyte activity in equine flexor tendons [DJ Murphy et al], 103
Resynthesis of glycogen in skeletal muscle from Standardbred trotters after repeated bouts of exercise [S Hyyppä et al], 162
Skeletal muscle characteristics and metabolic response to exercise in young Standardbreds [N Ronéus et al], 167
Use of dew-point hygrometry, direct sweat collection, and measurement of body water losses to determine sweating rates in exercising horses [JK Kingston et al], 175
Pregnancy-associated changes in material properties of the third metacarpal cortical bone in mares [DL Hawkins et al], 182
Body weight, fluid, electrolyte, and hormonal changes in horses competing in 50- and 100-mile endurance rides [HC Schott II et al], 303
Effect of bilateral tenectomy of the tensor veli palatini muscle on soft palate function in horses [SJ Holcombe et al], 317
Multielement assay of mammary secretions and sera from periparturient mares by inductively coupled argon plasma emission spectroscopy [JS Rook et al], 376
Effect of maturation and aging on the histomorphometric and biochemical characteristics of equine superficial digital flexor tendon [C Gillis et al], 425
Effect of transportation on the composition of bronchoalveolar lavage fluid obtained from horses [S Hobo et al], 531
Influence of type and breed of horse on serum osteocalcin concentration, and evaluation of the applicability of a bovine radioimmunoassay and a human immunoradiometric assay to measure the hormone [OM Lepage et al], 574
Correction: 948
Effects of training on the development of exercise-induced arterial hypoxemia in horses [RM Christley et al], 653

Use of Doppler ultrasonography to evaluate renal arterial blood flow in horses [KL Hoffmann et al], 697
Modeling study of compensatory head movements in lame horses [MATM Vorstenbosch et al], 713
Distribution of glycoconjugates in the uterine tube (oviduct) of horses [BA Ball et al], 816
Detection of activated platelets and platelet-leukocyte aggregates in horses [DJ Weiss et al], 823
Effects of airway obstruction on transmural pulmonary artery pressure in exercising horses [JA Jackson et al], 897
Effects of flunixin meglumine on short circuit current in equine colonic mucosa in vitro [DE Freeman et al], 915
Immunocytochemical localization of adrenocorticotropic hormone-immunoreactive cells of the pars intermedia of Thoroughbreds [T Okada et al], 920
Evaluation of the catabolic activity of cartilage by measurement of serum keratan sulfate concentration in foals [M Okumura et al], 925
High resolution protein electrophoresis of equine cerebrospinal fluid [M Furr et al], 939
Identification of thrombospondin as a high molecular mass protein released from activated equine platelets [DL Lipscomb et al], 954
Cardiorespiratory and metabolic effects of walking, standing, and standing with a splint during the recuperative period from maximal exercise in horses [JAE Hubbell et al], 1003
Effect of combined staphylectomy and laryngotomy on upper airway mechanics in normal horses [JL O'Rielly et al], 1018
Effects of bilateral hypoglossal and glossopharygeal nerve blocks on epiglottic and soft palate position in exercising horses [SJ Holcombe et al], 1022
Measurement of total body water content in horses, using deuterium oxide dilution [FM Andrews et al], 1060
Developmental variation in lumbosacropelvic anatomy of Thoroughbred racehorses [KH Haussler et al], 1083
Flow cytometric method for detecting thiazole orange-positive (reticulated) platelets in thrombocytopenic horses [KE Russell et al], 1092
Role of endothelium and nitric oxide in the in vitro response of equine colonic venous rings to vasoconstrictor agents [RM Moore et al], 1145
Mitogenic effects of epidermal growth factor and platelet-derived growth factor on canine and equine mesangial cells in vitro [D Ennulat et al], 1308
Differences between longitudinal and circular smooth muscle in ß-adrenergic control of motility of isolated equine ileum [C Belloli et al], 1422
Insulin-like growth factor I peptide elution profiles from fibrin polymers determined by use of high-performance liquid chromatography [RL Foley et al], 1431
Comparison of alveolar ventilation, oxygenation, pressure support, and respiratory system resistance in response to noninvasive versus conventional ventilation in foals [AM Hoffman et al], 1463
Exercise capacity in young and old mares [KH McKeever et al], 1468

Horses, Diseases
Biochemical, histochemical, and immunohistochemical characterization of distal tibial osteochondrosis in horses [JD Lillich et al], 89
Use of *Rhodococcus equi* virulence-associated protein for immunization of foals against *R equi* pneumonia [JF Prescott et al], 356
Hyaluronate concentration in tracheal lavage fluid from clinically normal horses and horses with chronic obstructive pulmonary disease [R-M Tulamo et al], 729
Use of transabdominal ultrasound-guided amniocentesis for detection of equid herpesvirus 1-induced fetal infection in utero [KC Smith et al], 997
Risk factors associated with the likelihood of leptospiral seropositivity in horses in the state of New York [RS Barwick et al], 1097
Nucleic acid amplification for rapid detection of *Rhodococcus equi* in equine blood and tracheal wash fluids [DC Sellon et al], 1232
Detection of antibodies to *Aspergillus fumigatus* in serum of horses with mycosis of the auditory tube diverticulum (guttural pouch) [J Guillot et al], 1364
Evaluation of platelet activation and platelet-neutrophil aggregates in ponies with alimentary laminitis [DJ Weiss et al], 1376
Infection of bone marrow macrophages by equine infectious anemia virus [CJ Swardson et al], 1402
Quantification of antigen-specific antibody concentrations in tracheal lavage fluid of horses with summer pasture-associated obstructive pulmonary disease [TL Seahorn et al], 1408

Horses, Drugs and Treatment
Comparative pharmacokinetics of phenylbutazone and its metabolite oxyphenbutazone in clinically normal horses and donkeys [KL Mealey et al], 53
Effect of treatment with erythromycin on bronchoalveolar lavage fluid cell populations in foals [J Lakritz et al], 56
Correction: 337
Effects of anesthesia of the palmar digital nerves on kinematic gait analysis in horses with and without navicular disease [KG Keegan et al], 218
Determination of an effective dose of eltenac and its comparison with that of flunixin meglumine in horses after experimentally induced carpitis [D Hamm et al], 298
Comparison of intratumoral administration of cisplatin versus bleomycin for treatment of periocular squamous cell carcinomas in horses [AP Théon et al], 431
Evaluation of arginine-glycine-aspartate-containing peptides as inhibitors of equine platelet function [DJ Weiss et al], 457
Temporal effects of an infusion of dopexamine hydrochloride in horses anesthetized with halothane [LE Young et al], 516
Insulin-like growth factor 1 and corticosteroid modulation of chondrocyte metabolic and mitogenic activities in interleukin 1-conditioned equine cartilage [DD Frisbie et al], 524
Correction: 701
Identification of ß-adrenergic receptor subtypes mediating relaxation in isolated equine ileum [G Re et al], 621
Effect of furosemide and subsequent intravenous fluid administration on right atrial pressure of splenectomized horses [LJ Rivas et al], 632
Effects of sedation, anesthesia, and endotracheal intubation on respiratory mechanics in adult horses [M Tomasic et al], 641
Effect of sodium bicarbonate administration on blood constituents of horses [LJ Rivas et al], 658
Effect of sodium bicarbonate administration on renal function of horses [LJ Rivas et al], 664
Age-related changes in the pharmacokinetic disposition of diazepam in foals [WM Norman et al], 878
Comparative pharmacokinetics of caffeine and three metabolites in clinically normal horses and ponies [K Peck et al], 881
Effects of intravenous administration of sodium hyaluronate on carpal joints in exercising horses after arthroscopic surgery and osteochondral fragmentation [CE Kawcak et al], 1132
Effects of postoperative peritoneal lavage on pharmacokinetics of gentamicin in horses after celiotomy [JL Easter et al], 1166
Effect of pentoxifylline, flunixin meglumine, and their combination on a model of endotoxemia in horses [A Baskett et al], 1291
Effects of pentoxifylline infusion on response of horses to in vivo challenge exposure with endotoxin [MH Barton et al], 1300
Effects of high-dose gentamicin sulfate on neuromuscular blockade in halothane-anesthetized horses [BA Hague et al], 1324
Pharmacokinetics of cisapride in horses after intravenous and rectal administration [G Cook et al], 1427
Effect of low-dose atropine administration on dobutamine dose requirement in horses anesthetized with detomidine and halothane [AB Weil et al], 1436

Hotlines Every Veterinarian Should Know, 328, 440, 563, 573, 690, 798, 938, 1358

Hyaluronate
Hyaluronate concentration in tracheal lavage fluid from clinically normal horses and horses with chronic obstructive pulmonary disease [R-M Tulamo et al], 729
Effects of intravenous administration of sodium hyaluronate on carpal joints in exercising horses after arthroscopic surgery and osteochondral fragmentation [CE Kawcak et al], 1132

Hydration
Acute effects of intravenously administered hypotonic saline solution on transruminal rehydration in dairy cows [BL Roeder et al], 549

ß-Hydroxybutyrate
Evaluation of aspartate transaminase activity and ß-hydroxybutyrate concentration in blood as tests for prediction of left displaced abomasum in dairy cows [T Geishauser et al], 1216

Hypertension
Plasma renin activity and angiotensin I and aldosterone concentrations in cats with hypertension associated with chronic renal disease [JL Jansen et al], 535

Hypertension, Pulmonary
Decreased pulmonary arterial endothelium-dependent relaxation in heartworm-infected dogs with pulmonary hypertension [Y Matsukura et al], 171

Hyperthyroidism
Pharmacokinetics of propranolol in healthy cats during euthyroid and hyperthyroid states [G Jacobs et al], 398

Hypotension
Effect of low-dose atropine administration on dobutamine dose requirement in horses anesthetized with detomidine and halothane [AB Weil et al], 1436

Hypoxemia
Effects of training on the development of exercise-induced arterial hypoxemia in horses [RM Christley et al], 653

I

Ileum
Identification of ß-adrenergic receptor subtypes mediating relaxation in isolated equine ileum [G Re et al], 621
Differences between longitudinal and circular smooth muscle in ß-adrenergic control of motility of isolated equine ileum [C Belloli et al], 1422

Imidacloprid
Efficacy of imidacloprid for removal and control of fleas (*Ctenocephalides felis*) on dogs [RG Arther et al], 848
Comparison of flea control stategies using imidacloprid or lufenuron on cats in a controlled simulated home environment [DE Jacobs et al], 1260

Immune Response
Use of *Rhodococcus equi* virulence-associated protein for immunization of foals against *R equi* pneumonia [JF Prescott et al], 356
Physical, hematologic, biochemical, and immunologic effects of supranutritional supplementation with dietary selenium in Holstein cows [RG Ellis et al], 760

Immunity, Active
Active and passive immune responses to transmissible gastroenteritis virus (TGEV) in swine inoculated with recombinant baculovirus-expressed TGEV spike glycoprotein vaccines [DI Shoup et al], 242

Immunity, Passive
Active and passive immune responses to transmissible gastroenteritis virus (TGEV) in swine inoculated with recombinant baculovirus-expressed TGEV spike glycoprotein vaccines [DI Shoup et al], 242

Immunoblot Analysis
Distribution of glycoconjugates in the uterine tube (oviduct) of horses [BA Ball et al], 816

Immunoglobulin E
Evaluation of association of blood and bronchoalveolar eosinophil numbers and serum total immunoglobulin E concentration with the expression of nonspecific airway reactivity in dogs [DDS Collie et al], 34

Immunoglobulin G
Development of an automated turbidimetric immunoassay for quantification of bovine serum immunoglobulin G [LR Etzel et al], 1201

Instructions to Authors, 110, 196, 323, 438, 561, 684, 792, 932, 1044, 1177, 1351, 1480

Insulin
Effects of medetomidine on serum insulin and plasma glucose concentrations in clinically normal dogs [SA Burton et al], 1440

Insulin-like Growth Factor I
Insulin-like growth factor 1 and corticosteroid modulation of chondrocyte metabolic and mitogenic activities in interleukin 1-conditioned equine cartilage [DD Frisbie et al], 524
Correction: 701
Effects of acute endotoxemia on serum somatotropin and insulin-like growth factor I concentrations in prepubertal gilts [W Hevener et al], 1010
Effect of combined administration of insulin-like growth factor and platelet-derived growth factor on the regeneration of transected and anastomosed sciatic nerve in rats [JA Welch et al], 1033
Insulin-like growth factor I peptide elution profiles from fibrin polymers determined by use of high-performance liquid chromatography [RL Foley et al], 1431

Interleukin 1
Insulin-like growth factor 1 and corticosteroid modulation of chondrocyte metabolic and mitogenic activities in interleukin 1-conditioned equine cartilage [DD Frisbie et al], 524
Correction: 701

Interleukin 6
Synovial fluid interleukin 6, tumor necrosis factor, and nitric oxide values in dogs with osteoarthritis secondary to cranial cruciate ligament rupture [CW Hay et al], 1027

Interleukins
Infection of bone marrow macrophages by equine infectious anemia virus [CJ Swardson et al], 1402

Intestine
Prevalence of intestinal chlamydial infection in pigs in the midwest, as determined by immunoperoxidase staining [JC Nietfield et al], 260

Intraocular Pressure
Mechanisms of acute intraocular pressure increases after phacoemulsification lens extraction in dogs [PE Miller et al], 1159

Isoflurane
Distribution of technetium 99m-labeled red blood cells during isoflurane anesthesia in ferrets [RP Marini et al], 781
Cardiopulmonary effects of sevoflurane, compared with halothane, enflurane, and isoflurane, in dogs [T Mutoh et al], 885
Cardiovascular effects of equipotent isoflurane and alfentanil/isoflurane minimum alveolar concentration multiple in cats [PJ Pascoe et al], 1267
Effect of alfentanil on the minimum alveolar concentration of isoflurane in cats [JE Ilkiw et al], 1274
Cardiovascular effects of buprenorphine in anesthetized dogs [EA Martinez et al], 1280

Itraconazole
Itraconazole disposition after single oral and intravenous and multiple oral dosing in healthy cats [DM Boothe et al], 872

J

Joint, Coxal
Within- and between-examiner repeatability of distraction indices of the hip joints in dogs [GK Smith et al], 1076
Biomechanical characterization of passive laxity of the hip joint in dogs [GK Smith et al], 1078

Joint, Cubital
Structural, material, and anatomic characteristics of the collateral ligaments of the canine cubital joint [RL Vogelsang et al], 461
Comparison of radiography, magnetic resonance imaging, and surgical findings in dogs with elbow dysplasia [FR Snaps et al], 1367

Joint, Genual
Rehabilitation of dogs with surgically treated cranial cruciate ligament-deficient stifles by use of electrical stimulation of muscles [JM Johnson et al], 1473

Joint, Metatarsophalangeal
Characterization of anatomic communications of the fetlock in cattle, using intra-articular latex injection and positive-contrast arthrography [A Desrochers et al], 710

Joint, Scapulohumeral
Variations in the mechanical properties of cartilage from the canine scapulohumeral joint [D Korvick et al], 949

Joints
Altered biological activity of equine chondrocytes cultured in a three-dimensional fibrin matrix and supplemented with transforming growth factor B-1 [LA Fortier et al], 66
Structural, material, and anatomic characteristics of the collateral ligaments of the canine cubital joint [RL Vogelsang et al], 461
Characterization of anatomic communications of the fetlock in cattle, using intra-articular latex injection and positive-contrast arthrography [A Desrochers et al], 710
Within- and between-examiner repeatability of distraction indices of the hip joints in dogs [GK Smith et al], 1076
Biomechanical characterization of passive laxity of the hip joint in dogs [GK Smith et al], 1078
Comparison of radiography, magnetic resonance imaging, and surgical findings in dogs with elbow dysplasia [FR Snaps et al], 1367
Rehabilitation of dogs with surgically treated cranial cruciate ligament-deficient stifles by use of electrical stimulation of muscles [JM Johnson et al], 1473

K

Keratan Sulfate
Evaluation of the catabolic activity of cartilage by measurement of serum keratan sulfate concentration in foals [M Okumura et al], 925

Ketosis
Decreased serum apolipoprotein B-100 and A-I concentrations in cows with ketosis and left displacement of the abomasum [S Oikawa et al], 121

L

Lactoferrin
Isolation and expression of a porcine lactoferrin gene [S-R Wang et al], 1152

Lameness
Effects of anesthesia of the palmar digital nerves on kinematic gait analysis in horses with and without navicular disease [KG Keegan et al], 218
Modeling study of compensatory head movements in lame horses [MATM Vorstenbosch et al], 713

Laminitis
Evaluation of platelet activation and platelet-neutrophil aggregates in ponies with alimentary laminitis [DJ Weiss et al], 1367

Laparoscopy
Evaluation of selected cardiopulmonary and cerebral responses during medetomidine, propofol, and halothane anesthesia for laparoscopy in dogs [A Bufalari], 1443

Laryngotomy
Effect of combined staphylectomy and laryngotomy on upper airway mechanics in normal horses [JL O'Rielly et al], 1018

Latex
Characterization of anatomic communications among the antebrachiocarpal, middle carpal, and carpometacarpal joints in cattle, using intra-articular latex, positive-contrast arthrography, and fluoroscopy [A Desrochers et al], 7
Characterization of anatomic communications of the fetlock in cattle, using intra-articular latex injection and positive-contrast arthrography [A Desrochers et al], 710

Lavage, Bronchoalveolar
Evaluation of association of blood and bronchoalveolar eosinophil numbers and serum total immunoglobulin E concentration with the expression of nonspecific airway reactivity in dogs [DDS Collie et al], 34
Effect of treatment with erythromycin on bronchoalveolar lavage fluid cell populations in foals [J Lakritz et al], 56
Correction: 337
Effect of transportation on the composition of bronchoalveolar lavage fluid obtained from horses [S Hobo et al], 531
Quantification of antigen-specific antibody concentrations in tracheal lavage fluid of horses with summer pasture-associated obstructive pulmonary disease [TL Seahorn et al], 1408

Lavage, Peritoneal
Effects of postoperative peritoneal lavage on pharmacokinetics of gentamicin in horses after celiotomy [JL Easter et al], 1166

Lavage, Tracheal
Hyaluronate concentration in tracheal lavage fluid from clinically normal horses and horses with chronic obstructive pulmonary disease [R-M Tulamo et al], 729

Lawsonia intracellularis
Induction of gross and microscopic lesions of porcine proliferative enteritis by *Lawsonia intracellaris* [LA Joens et al], 1125
Correction: 1192

Lens
Mechanisms of acute intraocular pressure increases after phacoemulsification lens extraction in dogs [PE Miller et al], 1159

Lentiviruses
Immortalization of caprine fibroblasts permissive for replication of small ruminant lentiviruses [MF Da Silva Teixeira et al], 579

Leptospirosis
Alterations in specific activity of glucose-6-phosphatase in laboratory rats after leptospiral exposure followed by triiodothyronine administration [C Dobrosielski-Vergona], 143
Risk factors associated with the likelihood of leptospiral seropositivity in horses in the state of New York [RS Barwick et al], 1097

Letters
Uterine tube more appropriate for mammals [RE Habel], 4
Request for disclosure of financial interest [GD Aguirre], 568
Additional research on tendon strains and stresses [N Crevier-Donoix, et al], 569

Leukocytes
Evaluation of platelet activation and platelet-neutrophil aggregates in ponies with alimentary laminitis [DJ Weiss et al], 1376

Leukotoxin
Growth of *Pasteurella haemolytica* and production of its leukotoxin in semi-defined media [SK Highlander], 749

Ligament, Cranial Cruciate
Synovial fluid interleukin 6, tumor necrosis factor, and nitric oxide values in dogs with osteoarthritis secondary to cranial cruciate ligament rupture [CW Hay et al], 1027
Rehabilitation of dogs with surgically treated cranial cruciate ligament-deficient stifles by use of electrical stimulation of muscles [JM Johnson et al], 1473

Ligaments
Structural, material, and anatomic characteristics of the collateral ligaments of the canine cubital joint [RL Vogelsang et al], 461

Lipopolysaccharide
Effects of thermal environment on response to acute peripheral lipopolysaccharide challenge exposure in neonatal pigs [JJ Klir et al], 364
Intrastrain variation of lipopolysaccharide of *Pasteurella multocida* in turkeys [SL Coy et al], 755
Effects of *Pasteurella haemolytica* leukotoxin and lipopolysaccharide on histamine, prostanoid, and leukotriene release by bovine lung parenchyma in vitro [R Saban et al], 1227

Liquids
Use of a breath test to determine the fate of swallowed fluids in cattle [LW McLeay et al], 1314

Listeria monocytogenes
Investigation of a listeriosis epizootic in sheep in New York state [M Wiedmann et al], 733

Liver
Endotoxemia associated with experimentally induced multiple portosystemic shunts in dogs [LM Howe et al], 83
Decreased serum apolipoprotein B-100 and A-I concentrations in cows with ketosis and left displacement of the abomasum [S Oikawa et al], 121
Immunohistochemical localization of α_1-acid glycoprotein in liver tissues of bovine fetuses, newborn calves, and sick or healthy adult cattle [H Itoh et al], 725
Secretion of apolipoprotein A-I by calf liver parenchyma cells [T Miyamoto et al], 811

Llamas
Cardiopulmonary effects of propofol infusion in llamas [T Duke et al], 153

L-Selectin
Functional and phenotypic characterization of monoclonal antibodies to bovine L-selectin [Y Wang et al], 1392

Lufenuron
Use of injectable lufenuron for treatment of infestations of *Ctenocephalides felis* in cats [M Franc et al], 140
Comparison of flea control stategies using imidacloprid or lufenuron on cats in a controlled simulated home environment [DE Jacobs et al], 1260

Lung
Characterization of cytokine profiles and double-positive lymphocyte subpopulations in the normal bovine lung [NL Mathy et al], 969
Effects of *Pasteurella haemolytica* leukotoxin and lipopolysaccharide on histamine, prostanoid, and leukotriene release by bovine lung parenchyma in vitro [R Saban et al], 1227

Luxabendazole
Pharmacokinetics of luxabendazole after oral and intravenous administration to sheep [AI Ortiz et al], 1263

Lymphocytes
Characterization of cytokine profiles and double-positive lymphocyte subpopulations in the normal bovine lung [NL Mathy et al], 969

M

Macrophages
Infection of bone marrow macrophages by equine infectious anemia virus [CJ Swardson et al], 1402

Magnesium
Effects of choreito consumption on urine variables of healthy cats fed a magnesium-supplemented commercial diet [CAT Buffington et al], 146

Magnetic Resonance Imaging
Comparison of radiography, magnetic resonance imaging, and surgical findings in dogs with elbow dysplasia [FR Snaps et al], 1367

Malignant Hyperthermia
Influences of breed, sex, and susceptibility to malignant hyperthermia on lipid composition of skeletal muscle and adipose tissue in swine [S Hartmann et al], 738

Mammary Gland
Multielement assay of mammary secretions and sera from periparturient mares by inductively coupled argon plasma emission spectroscopy [JS Rook et al], 376

Mange, Sarcoptic
Efficacy of eprinomectin against mange mites in cattle [D Barth et al], 1257

Mast Cells, Cutaneous
Effect of H_1-antihistamines on histamine release from dispersed canine cutaneous mast cells [G García et al], 293

Mastitis
Effect of natural infection with minor pathogens on susceptibility to natural infection with major pathogens in the bovine mammary gland [TJGM Lam et al], 17
Diversity of *Streptococcus agalactiae* and *Staphylococcus aureus* ribotypes recovered from New York dairy herds [AL Rivas et al], 482

Medetomidine
Effects of medetomidine on serum insulin and plasma glucose concentrations in clinically normal dogs [SA Burton et al], 1440
Evaluation of selected cardiopulmonary and cerebral responses during medetomidine, propofol, and halothane anesthesia for laparoscopy in dogs [A Bufalari], 1443

Melanoma
Isolation and characterization of the canine melanoma antigen recognized by the murine monoclonal antibody IBF9 and its distribution in cultured canine melanoma cell lines [JL Oliver et al], 46

Meloxicam
Kinetic gait analysis assessment of meloxicam efficacy in a canine sodium urate-induced synovitis model [AR Cross et al], 626

Metabolism
Cardiorespiratory and metabolic effects of walking, standing, and standing with a splint during the recuperative period from maximal exercise in horses [JAE Hubbell et al], 1003

Metabolism, Carbohydrate
Alterations in carbohydrate metabolism in dogs with nonhematopoietic malignancies [GJ Ogilvie et al], 277

Metacarpus
Pregnancy-associated changes in material properties of the third metacarpal cortical bone in mares [DL Hawkins et al], 182

Methotrexate
Dietary modulation of methotrexate-induced enteritis in cats [SL Marks et al], 989

Mice
Evaluation of an animal rabies vaccine by use of two types of potency tests [GM Baer], 837

Milk
Changes in nutrient and protein composition of cat milk during lactation [Y Adkins et al], 370

Minerals
Multielement assay of mammary secretions and sera from periparturient mares by inductively coupled argon plasma emission spectroscopy [JS Rook et al], 376

Misoprostol
Clinical evaluation of cimetidine, sucralfate, and misoprostol for prevention of gastrointestinal bleeding in dogs undergoing spinal surgery [SM Hanson et al], 1320

Mitral Valve
Effects of naturally acquired decompensated mitral valve regurgitation on the renin-angiotensin-aldosterone system and atrial natriuretic peptide concentration in dogs [J Häggström et al], 77

Motility, Intestinal
Differences between longitudinal and circular smooth muscle in ß-adrenergic control of motility of isolated equine ileum [C Belloli et al], 1422

Muscle, Skeletal
Resynthesis of glycogen in skeletal muscle from Standardbred trotters after repeated bouts of exercise [S Hyyppä et al], 162
Influences of breed, sex, and susceptibility to malignant hyperthermia on lipid composition of skeletal muscle and adipose tissue in swine [S Hartmann et al], 738

Muscle, Smooth
Muscarinic hyperresponsiveness of antigen-sensitized feline airway smooth muscle in vitro [RW Mitchell et al], 672
Differences between longitudinal and circular smooth muscle in ß-adrenergic control of motility of isolated equine ileum [C Belloli et al], 1422

Muscle Fiber Types
Skeletal muscle characteristics and metabolic response to exercise in young Standardbreds [N Ronéus et al], 167

Muscle Fluid
Detection of antibody to *Salmonella* lipopolysaccharide in muscle fluid from cattle [J Hoorfar et al], 334

Myocardial Bridge
Prevalence, vasculature, and innervation of myocardial bridges in dogs [P Tangkawattana et al], 1209

Myoelectric Activity
Myoelectric activity of the cecum and proximal loop of the ascending colon in cows after spontaneous cecal dilatation/dislocation [S Stocker et al], 961

N

Navicular Disease
Effects of anesthesia of the palmar digital nerves on kinematic gait analysis in horses with and without navicular disease [KG Keegan et al], 218

Nematodes
Efficacy of doramectin for treatment of experimentally induced infection with gastrointestinal nematodes in calves [CE Couvillion et al], 282
Efficacy of a pour-on formulation of eprinomectin (MK-397) against nematode parasites of cattle, with emphasis on inhibited early fourth-stage larvae of *Ostertagia* spp [JC Williams et al], 379
Nematocidal efficacy of eprinomectin, delivered topically, in naturally infected cattle [TA Yazwinski et al], 612

Neonatology
Effects of thermal environment on response to acute peripheral lipopolysaccharide challenge exposure in neonatal pigs [JJ Klir et al], 364
Prophylaxis of respiratory distress syndrome in premature calves by administration of dexamethasone or a prostaglandin F_2 analogue to their dams before parturition [W Zaremba et al], 404
Immunohistochemical localization of α_1-acid glycoprotein in liver tissues of bovine fetuses, newborn calves, and sick or healthy adult cattle [H Itoh et al], 725
Effects of various feeding regimens on the energy balance of equine neonates [JC Ousey et al], 1243
Immunohistochemical diagnosis of pestivirus infection associated with bovine and ovine abortion and perinatal death [B Thür et al], 1371
Comparison of alveolar ventilation, oxygenation, pressure support, and respiratory system resistance in response to noninvasive versus conventional ventilation in foals [AM Hoffman et al], 1463

Neoplasia
Alterations in carbohydrate metabolism in dogs with nonhematopoietic malignancies [GJ Ogilvie et al], 277

Chromogranin A plasma concentration and expression in pancreatic islet cell tumors of dogs and cats [NC Myers et al], 615
Overexpression of p53 tumor suppressor protein in spontaneously arising neoplasms of dogs [RM Gamblin et al], 857

Neospora spp
Effect of congenitally acquired *Neospora caninum* infection on risk of abortion and subsequent abortions in dairy cattle [MC Thurmond et al], 1381

Nerve Block
Effects of bilateral hypoglossal and glossopharygeal nerve blocks on epiglottic and soft palate position in exercising horses [SJ Holcombe et al], 1022

Neuromuscular Blockade
Effects of high-dose gentamicin sulfate on neuromuscular blockade in halothane-anesthetized horses [BA Hague et al], 1324

Neutrophils
Resazurin reduction as a function of respiratory burst in bovine neutrophils [W Fang et al], 601
Pulmonary and neutrophil responses to priming effects of platelet-activating factor in pigs [KT Kruse-Elliott], 1386

Nitrates
Effects of ammonia and nitrate concentration on hematologic and serum biochemical profiles of hybrid striped bass (*Morone chrysops x Morone saxatilis*) [TC Hrubec et al], 131

Nitric Oxide
Synovial fluid interleukin 6, tumor necrosis factor, and nitric oxide values in dogs with osteoarthritis secondary to cranial cruciate ligament rupture [CW Hay et al], 1027
Role of endothelium and nitric oxide in the in vitro response of equine colonic venous rings to vasoconstrictor agents [RM Moore et al], 1145

O

Obstructive Pulmonary Disease
Hyaluronate concentration in tracheal lavage fluid from clinically normal horses and horses with chronic obstructive pulmonary disease [R-M Tulamo et al], 729
Quantification of antigen-specific antibody concentrations in tracheal lavage fluid of horses with summer pasture-associated obstructive pulmonary disease [TL Seahorn et al], 1408

Optics
Effect of optical defocus on visual acuity in dogs [CJ Murphy et al], 414

Orthopedics
Rehabilitation of dogs with surgically treated cranial cruciate ligament-deficient stifles by use of electrical stimulation of muscles [JM Johnson et al], 1473

Osteoarthritis
Synovial fluid interleukin 6, tumor necrosis factor, and nitric oxide values in dogs with osteoarthritis secondary to cranial cruciate ligament rupture [CW Hay et al], 1027

Osteocalcin
Influence of type and breed of horse on serum osteocalcin concentration, and evaluation of the applicability of a bovine radioimmunoassay and a human immunoradiometric assay to measure the hormone [OM Lepage et al], 574
Correction: 948

Ostertagia spp
Efficacy of a pour-on formulation of eprinomectin (MK-397) against nematode parasites of cattle, with emphasis on inhibited early fourth-stage larvae of *Ostertagia* spp [JC Williams et al], 379

Oviduct *see* Uterine Tube

Oxygenation Indices
Use of jugular venous blood, compared with mixed venous blood, for measurement of venous oxygenation indices in a porcine model of endotoxic shock [JS Wohl et al], 910

Oxyphenbutazone
Comparative pharmacokinetics of phenylbutazone and its metabolite oxyphenbutazone in clinically normal horses and donkeys [KL Mealey et al], 53

Oxypurinol
Influence of two diets on pharmacokinetic parameters of allopurinol and oxypurinol in healthy Beagles [JW Bartges et al], 511

P

Pancreas
Chromogranin A plasma concentration and expression in pancreatic islet cell tumors of dogs and cats [NC Myers et al], 615

Parathyroidectomy
Effects of parathyroidectomy on induced renal failure in dogs [DR Finco et al], 188
Correction: 436

Paratuberculosis
Relation between serologic response and pathologic findings in sheep with naturally acquired paratuberculosis [V Pérez et al], 799

Pars Intermedia
Immunocytochemical localization of adrenocorticotropic hormone-immunoreactive cells of the pars intermedia of Thoroughbreds [T Okada et al], 920

Parturition
Multielement assay of mammary secretions and sera from periparturient mares by inductively coupled argon plasma emission spectroscopy [JS Rook et al], 376

Parvoviruses
Comparison of selected canine vaccines for their ability to induce protective immunity against canine parvovirus infection [LJ Larsen et al], 360

Pasteurella haemolytica
Role of tissue factor in intra-alveolar fibrin deposition and coagulopathy associated with pneumonic pasteurellosis in cattle [J Rashid et al], 28
Growth of *Pasteurella haemolytica* and production of its leukotoxin in semi-defined media [SK Highlander], 749
Effects of *Pasteurella haemolytica* leukotoxin and lipopolysaccharide on histamine, prostanoid, and leukotriene release by bovine lung parenchyma in vitro [R Saban et al], 1227

Pasteurella multocida
Intrastrain variation of lipopolysaccharide of *Pasteurella multocida* in turkeys [SL Coy et al], 755
Efficacy of a subcutaneously administered, ultraviolet light-killed *Pasteurella multocida* A:3-containing bacterin against transthoracic challenge exposure in goats [CW Purdy et al], 841

Pentoxifylline
Effect of pentoxifylline, flunixin meglumine, and their combination on a model of endotoxemia in horses [A Baskett et al], 1291
Effects of pentoxifylline infusion on response of horses to in vivo challenge exposure with endotoxin [MH Barton et al], 1300

Peptides
Evaluation of arginine-glycine-aspartate-containing peptides as inhibitors of equine platelet function [DJ Weiss et al], 457

Pestiviruses
Immunohistochemical diagnosis of pestivirus infection associated with bovine and ovine abortion and perinatal death [B Thür et al], 1371

Phacoemulsification
Mechanisms of acute intraocular pressure increases after phacoemulsification lens extraction in dogs [PE Miller et al], 1159

Phage Typing
Comparison of pulsed-field gel electrophoresis and phage typing for discriminating poultry strains of *Staphylococcus aureus* [A Shimizu et al], 1412

Pharmacokinetics
Comparative pharmacokinetics of phenylbutazone and its metabolite oxyphenbutazone in clinically normal horses and donkeys [KL Mealey et al], 53
Bioavailability and pharmacokinetics of intravenously and orally administered allopurinol in healthy Beagles [JW Bartges et al], 504
Influence of two diets on pharmacokinetic parameters of allopurinol and oxypurinol in healthy Beagles [JW Bartges et al], 511
Pharmacokinetics of phenylbutazone in camels [IAR Wasfi et al], 636
Itraconazole disposition after single oral and intravenous and multiple oral dosing in healthy cats [DM Boothe et al], 872

Age-related changes in the pharmacokinetic disposition of diazepam in foals [WM Norman et al], 878
Comparative pharmacokinetics of caffeine and three metabolites in clinically normal horses and ponies [K Peck et al], 881
Effects of postoperative peritoneal lavage on pharmacokinetics of gentamicin in horses after celiotomy [JL Easter et al], 1166
Pharmacokinetics of luxabendazole after oral and intravenous administration to sheep [AI Ortiz et al], 1263
Pharmacokinetics of cisapride in horses after intravenous and rectal administration [G Cook et al], 1427

Pharynx
Effect of bilateral tenectomy of the tensor veli palatini muscle on soft palate function in horses [SJ Holcombe et al], 317

Phenylbutazone
Comparative pharmacokinetics of phenylbutazone and its metabolite oxyphenbutazone in clinically normal horses and donkeys [KL Mealey et al], 53
Pharmacokinetics of phenylbutazone in camels [IAR Wasfi et al], 636

Pigeons
Excretion of the anabolic steroid hormone boldenone by racing pigeons [H-W Hagedorn et al], 224

Pituitary Effluent
Endocrine changes in cerebrospinal fluid, pituitary effluent, and peripheral plasma of anesthetized ponies [SPL Luna et al], 765

Pituitary Gland
Immunocytochemical localization of adrenocorticotropic hormone-immunoreactive cells of the pars intermedia of Thoroughbreds [T Okada et al], 920

Placentitis
Effects of oral or intravenous inoculation with the vaccine *Brucella abortus* strain RB51 in Beagles [MV Palmer et al], 851

Plasma
Effects of time and dilution on concentration of xanthine in frozen urine and plasma of dogs [JW Bartges et al], 118

Platelet-activating Factor
Pulmonary and neutrophil responses to priming effects of platelet-activating factor in pigs [KT Kruse-Elliott], 1386

Platelet Concentrates
Room temperature storage and cryopreservation of canine platelet concentrates [K Allyson et al], 1338

Platelet-derived Growth Factor
Effect of combined administration of insulin-like growth factor and platelet-derived growth factor on the regeneration of transected and anastomosed sciatic nerve in rats [JA Welch et al], 1033

Platelet Function
Evaluation of arginine-glycine-aspartate-containing peptides as inhibitors of equine platelet function [DJ Weiss et al], 457
Detection of activated platelets and platelet-leukocyte aggregates in horses [DJ Weiss et al], 823

Platelets
Identification of thrombospondin as a high molecular mass protein released from activated equine platelets [DL Lipscomb et al], 954
Evaluation of platelet activation and platelet-neutrophil aggregates in ponies with alimentary laminitis [DJ Weiss et al], 1376
Pulmonary and neutrophil responses to priming effects of platelet-activating factor in pigs [KT Kruse-Elliott], 1386

Platelets, Reticulated
Flow cytometric method for detecting thiazole orange-positive (reticulated) platelets in thrombocytopenic horses [KE Russell et al], 1092

Pneumonia
Use of *Rhodococcus equi* virulence-associated protein for immunization of foals against *R equi* pneumonia [JF Prescott et al], 356

Polymerase Chain Reaction
Use of nested polymerase chain reaction to identify feline herpesvirus in ocular tissue from clinically normal cats and cats with corneal sequestra or conjunctivitis [J Stiles et al], 338
Multiplex polymerase chain reaction assay for genotyping *Clostridium perfringens* [RR Meer et al], 702
Comparison of nested polymerase chain reaction, virus isolation, and fluorescent antibody testing for identifying feline herpesvirus in cats with conjunctivitis [J Stiles et al], 804

Ponies
Oncotic, hemodilutional, and hemostatic effects of isotonic saline and hydroxyethyl starch solutions after infusion in clinically normal ponies [PA Jones], 541
Endocrine changes in cerebrospinal fluid, pituitary effluent, and peripheral plasma of anesthetized ponies [SPL Luna et al], 765
Effects of flunixin meglumine on short circuit current in equine colonic mucosa in vitro [DE Freeman et al], 915
Effects of various feeding regimens on the energy balance of equine neonates [JC Ousey et al], 1243

Porcine Reproductive and Respiratory Syndrome Virus
Induction of dual infections in newborn and three-week-old pigs by use of two plaque size variants of porcine reproductive and respiratory syndrome virus [BK Park et al]
Effects of modified-live virus vaccine against porcine reproductive and respiratory syndrome in boars [J Christopher-Hennings et al], 40
Effect of heparin on infection of cells by porcine reproductive and respiratory syndrome virus [ER Jusa et al], 488
Airborne transmission of *Actinobacillus pleuropneumoniae* and porcine reproductive and respiratory syndrome virus in nursery pigs [M Torremorrell et al], 828

Postvaccinal Reactions
Repeated physical and cytologic characterizations of subcutaneous postvaccinal reactions in cats [AE Schultze et al], 719

Potency Testing
Evaluation of an animal rabies vaccine by use of two types of potency tests [GM Baer], 837

Poultry
Comparison of pulsed-field gel electrophoresis and phage typing for discriminating poultry strains of *Staphylococcus aureus* [A Shimizu et al], 1412

Pregnancy
Pregnancy-associated changes in material properties of the third metacarpal cortical bone in mares [DL Hawkins et al], 182
Safety and immmunogenicity of *Brucella abortus* strain RP51 vaccine in pregnant cattle [MV Palmer et al], 472
Noninvasive monitoring of the fetal heart rate during the last ten days of gestation in sows [S Cohen et al], 1285

Progesterone
Hormonal modulation of the physiologic responses of calves infected with *Eimeria bovis* [HL Heath et al], 891

Propofol
Cardiopulmonary effects of propofol infusion in llamas [T Duke et al], 153
Cardiopulmonary and anesthetic effects of propofol in wild turkeys [J Schumacher et al], 1014
Evaluation of selected cardiopulmonary and cerebral responses during medetomidine, propofol, and halothane anesthesia for laparoscopy in dogs [A Bufalari], 1443

Propranolol
Pharmacokinetics of propranolol in healthy cats during euthyroid and hyperthyroid states [G Jacobs et al], 398

Prostaglandins
Effect of carprofen on sulfated glycosaminoglycan metabolism, protein synthesis, and prostaglandin release by cultured osteoarthritic canine chondrocytes [HP Benton et al], 286
Prophylaxis of respiratory distress syndrome in premature calves by administration of dexamethasone or a prostaglandin F_2 analogue to their dams before parturition [W Zaremba et al], 404

Prostanoids
Effects of *Pasteurella haemolytica* leukotoxin and lipopolysaccharide on histamine, prostanoid, and leukotriene release by bovine lung parenchyma in vitro [R Saban et al], 1227

Protein, Tumor Suppressor p53
Overexpression of p53 tumor suppressor protein in spontaneously arising neoplasms of dogs [RM Gamblin et al], 857

Proteins, Viral
Phosphoprotein profile analysis of ruminant respiratory syncytial virus isolates [SV Shadomy et al], 478

Protein Synthesis
Effect of carprofen on sulfated glycosaminoglycan metabolism, protein synthesis, and prostaglandin release by cultured osteoarthritic canine chondrocytes [HP Benton et al], 286

Prothrombin Time
Optimization of prothrombin time measurements in canine plasma [R Mischke et al], 236

Pseudorabies Virus
Field trial to evaluate the immunogenicity of pseudorabies virus vaccines with deletions for glycoproteins G and E [LD Firkins et al], 976

Pulmonary Artery
Decreased pulmonary arterial endothelium-dependent relaxation in heartworm-infected dogs with pulmonary hypertension [Y Matsukura et al], 171
Effect of arsenical drugs on in vitro vascular responses of pulmonary artery from heartworm-infected dogs [DS Maksimowich et al], 389
Effect of heartworm infection on in vitro contractile responses of canine pulmonary artery and vein [DS Maksimowich et al], 394

Pulmonary Mechanics
Effects of sedation, anesthesia, and endotracheal intubation on respiratory mechanics in adult horses [M Tomasic et al], 641

Pulmonary Vein
Effect of arsenical drugs on in vitro vascular responses of pulmonary artery from heartworm-infected dogs [DS Maksimowich et al], 389
Effect of heartworm infection on in vitro contractile responses of canine pulmonary artery and vein [DS Maksimowich et al], 394

R

Rabies
Evaluation of an animal rabies vaccine by use of two types of potency tests [GM Baer], 837
Pathogenesis of experimentally induced rabies in domestic ferrets [M Niezgoda et al], 1327

Racing, Camel
Pharmacokinetics of phenylbutazone in camels [IAR Wasfi et al], 636

Racing, Greyhound
Effects of selection and habituation on vertical ground reaction force in Greyhounds [PF Rumph et al], 1206

Racing, Horse
Skeletal muscle characteristics and metabolic response to exercise in young Standardbreds [N Ronéus et al], 167

Racing, Pigeon
Excretion of the anabolic steroid hormone boldenone by racing pigeons [H-W Hagedorn et al], 224

Racing, Sled Dog
Effect of postexercise carbohydrate supplementation on muscle glycogen repletion in trained sled dogs [AJ Reynolds et al], 1252
Metabolizable energy intake and sustained energy expenditure of Alaskan sled dogs during heavy exertion in the cold [KW Hinchcliff et al], 1457

Radiography
Within- and between-examiner repeatability of distraction indices of the hip joints in dogs [GK Smith et al], 1076
Comparison of radiography, magnetic resonance imaging, and surgical findings in dogs with elbow dysplasia [FR Snaps et al], 1367

Radiotelemetry
Effects of certain vasoactive agents on the long-term pattern of blood pressure, heart rate, and motor activity in cats [SA Brown et al], 647

Rats
Alterations in specific activity of glucose-6-phosphatase in laboratory rats after leptospiral exposure followed by triiodothyronine administration [C Dobrosielski-Vergona], 143
Effect of combined administration of insulin-like growth factor and platelet-derived growth factor on the regeneration of transected and anastomosed sciatic nerve in rats [JA Welch et al], 1033
Comparison of effects of albendazole sulfoxide on in vitro produced bovine embryos and rat embryos [SE Piscopo et al], 1038

Receptors, ß-Adrenergic
Identification of ß-adrenergic receptor subtypes mediating relaxation in isolated equine ileum [G Re et al], 621

Renal Disease, Chronic
Plasma renin activity and angiotensin I and aldosterone concentrations in cats with hypertension associated with chronic renal disease [JL Jansen et al], 535

Renal Failure
Effects of parathyroidectomy on induced renal failure in dogs [DR Finco et al], 188
Correction: 436

Renal Failure, Acute
Use of carbamylated hemoglobin concentration to differentiate acute from chronic renal failure in dogs [SL Vaden et al], 1193

Renal Failure, Chronic
Use of carbamylated hemoglobin concentration to differentiate acute from chronic renal failure in dogs [SL Vaden et al], 1193

Renal Function
Effect of sodium bicarbonate administration on renal function of horses [LJ Rivas et al], 664
Reliability of using random urine samples for "spot" determination of fractional excretion of electrolytes in cats [DR Finco et al], 1184

Renin
Effects of naturally acquired decompensated mitral valve regurgitation on the renin-angiotensin-aldosterone system and atrial natriuretic peptide concentration in dogs [J Häggström et al], 77
Plasma renin activity and angiotensin I and aldosterone concentrations in cats with hypertension associated with chronic renal disease [JL Jansen et al], 535

Reproduction
Application of multiplex polymerase chain reaction for rapid identification of *Campylobacter jejuni* and *C coli* associated with reproductive failure [IV Wesley et al], 1070

Resazurin
Resazurin reduction as a function of respiratory burst in bovine neutrophils [W Fang et al], 601

Respiratory Burst
Resazurin reduction as a function of respiratory burst in bovine neutrophils [W Fang et al], 601

Respiratory Distress Syndrome
Prophylaxis of respiratory distress syndrome in premature calves by administration of dexamethasone or a prostaglandin $F_{2\alpha}$ analogue to their dams before parturition [W Zaremba et al], 404

Respiratory Syncytial Virus
Phosphoprotein profile analysis of ruminant respiratory syncytial virus isolates [SV Shadomy et al], 478

Respiratory System
Effect of transportation on the composition of bronchoalveolar lavage fluid obtained from horses [S Hobo et al], 531
Effects of airway obstruction on transmural pulmonary artery pressure in exercising horses [JA Jackson et al], 897
Effect of combined staphylectomy and laryngotomy on upper airway mechanics in normal horses [JL O'Rielly et al], 1018
Comparison of alveolar ventilation, oxygenation, pressure support, and respiratory system resistance in response to noninvasive versus conventional ventilation in foals [AM Hoffman et al], 1463

Reviewers
1996 *AJVR* Reviewers, 206

Rhodococcus equi
Use of *Rhodococcus equi* virulence-associated protein for immunization of foals against *R equi* pneumonia [JF Prescott et al], 356
Nucleic acid amplification for rapid detection of *Rhodococcus equi* in equine blood and tracheal wash fluids [DC Sellon et al], 1232

Ribotyping
Diversity of *Streptococcus agalactiae* and *Staphylococcus aureus* ribotypes recovered from New York dairy herds [AL Rivas et al], 482

Rift Valley Fever Virus
Safety and efficacy of a mutagen-attenuated Rift Valley fever virus vaccine in cattle [JC Morrill et al], 1104
Safety of a mutagen-attenuated Rift Valley fever virus vaccine in fetal and neonatal bovids [JC Morrill et al], 1110

Rinderpest Virus
Protective vaccination of ferrets against canine distemper with recombinant pox virus vaccines expressing the H or F genes of rinderpest virus [L Jones et al], 590

Rumen
Acute effects of intravenously administered hypotonic saline solution on transruminal rehydration in dairy cows [BL Roeder et al], 549

S

Salmonella choleraesuis
Safety and efficacy of an avirulent live *Salmonella choleraesuis* vaccine for protection of calves against *Salmonella dublin* infection [BC Fox et al], 265

Salmonella dublin
Safety and efficacy of an avirulent live *Salmonella choleraesuis* vaccine for protection of calves against *Salmonella dublin* infection [BC Fox et al], 265

***Salmonella* sp**
Detection of antibody to *Salmonella* lipopolysaccharide in muscle fluid from cattle [J Hoorfar et al], 334

Sample Storage
Stability of γ-glutamyltransferase activity in calf sera after refrigerated or frozen storage [F Muller et al], 354

Sarcoptes bovis
Efficacy of eprinomectin against mange mites in cattle [D Barth et al], 1257

Sciatic Nerve
Effect of combined administration of insulin-like growth factor and platelet-derived growth factor on the regeneration of transected and anastomosed sciatic nerve in rats [JA Welch et al], 1033

Scintigraphy
Scintigraphic biodistribution and plasma kinetics of indium 111-labeled transferrin in dogs [CR Berry et al], 1188

Sedation
Effects of three sedative protocols on glomerular filtration rate in clinically normal dogs [SM Newell et al], 446
Effects of sedation, anesthesia, and endotracheal intubation on respiratory mechanics in adult horses [M Tomasic et al], 641

Selenium
Physical, hematologic, biochemical, and immunologic effects of supranutritional supplementation with dietary selenium in Holstein cows [RG Ellis et al], 760

Serodiagnosis
Relation between serologic response and pathologic findings in sheep with naturally acquired paratuberculosis [V Pérez et al], 799
Risk factors associated with the likelihood of leptospiral seropositivity in horses in the state of New York [RS Barwick et al], 1097
Diagnosis of trichinellosis in swine by enzyme immunoassay, using a synthetic glycan antigen [HR Gamble et al], 1417

Serum
Multielement assay of mammary secretions and sera from periparturient mares by inductively coupled argon plasma emission spectroscopy [JS Rook et al], 376

Sevoflurane
Cardiopulmonary effects of sevoflurane, compared with halothane, enflurane, and isoflurane, in dogs [T Mutoh et al], 885
Effects of halothane and sevoflurane on the electroretinogram [J Yanase et al], 904

Sheep
Diagnosis of ovine enzootic abortion, using a competitive ELISA based on monoclonal antibodies against variable segments 1 and 2 of the major outer membrane protein of *Chlamydia psittaci* serotype 1 [V Salti-Montesanto et al], 228
Investigation of a listeriosis epizootic in sheep in New York state [M Wiedmann et al], 733
Relation between serologic response and pathologic findings in sheep with naturally acquired paratuberculosis [V Pérez et al], 799
Pharmacokinetics of luxabendazole after oral and intravenous administration to sheep [A! Ortiz et al], 1263
Immunohistochemical diagnosis of pestivirus infection associated with bovine and ovine abortion and perinatal death [B Thür et al], 1371

Shock, Endotoxic
Effect of continuous venovenous hemofiltration on cardiopulmonary function in a porcine model of endotoxin-induced shock [ED Murphey et al], 408
Use of jugular venous blood, compared with mixed venous blood, for measurement of venous oxygenation indices in a porcine model of endotoxic shock [JS Wohl et al], 910

Short Circuit Current
Effects of flunixin meglumine on short circuit current in equine colonic mucosa in vitro [DE Freeman et al], 915

Shunt, Anterior Chamber
In vitro flow characteristics of the Ahmed and self-constructed anterior chamber shunts [DT Strubbe et al], 1332

Shunt, Portosystemic
Endotoxemia associated with experimentally induced multiple portosystemic shunts in dogs [LM Howe et al], 83

Sodium Chloride
Oncotic, hemodilutional, and hemostatic effects of isotonic saline and hydroxyethyl starch solutions after infusion in clinically normal ponies [PA Jones], 541
Acute effects of intravenously administered hypotonic saline solution on transruminal rehydration in dairy cows [BL Roeder et al], 549

Soft Palate
Effect of bilateral tenectomy of the tensor veli palatini muscle on soft palate function in horses [SJ Holcombe et al], 317
Effects of bilateral hypoglossal and glossopharygeal nerve blocks on epiglottic and soft palate position in exercising horses [SJ Holcombe et al], 1022

Somatotropin
Effects of acute endotoxemia on serum somatotropin and insulin-like growth factor I concentrations in prepubertal gilts [W Hevener et al], 1010

Spermatozoa
Role of carbohydrates in the attachment of equine spermatozoa to the uterine tubal (oviductal) epithelial cells in vitro (Pub November 1996, p 1635)
Letter, 4

Spirochetes
Humoral response of dairy cattle to spirochetes isolated from papillomatous digital dermatitis lesions [RL Walker et al], 744

Squamous Cell Carcinoma
Comparison of intratumoral administration of cisplatin versus bleomycin for treatment of periocular squamous cell carcinomas in horses [AP Théon et al], 431

Staphylectomy
Effect of combined staphylectomy and laryngotomy on upper airway mechanics in normal horses [JL O'Rielly et al], 1018

Staphylococcus aureus
Diversity of *Streptococcus agalactiae* and *Staphylococcus aureus* ribotypes recovered from New York dairy herds [AL Rivas et al], 482
Comparison of pulsed-field gel electrophoresis and phage typing for discriminating poultry strains of *Staphylococcus aureus* [A Shimizu et al], 1412

Starch, Hydroxethyl
Oncotic, hemodilutional, and hemostatic effects of isotonic saline and hydroxyethyl starch solutions after infusion in clinically normal ponies [PA Jones], 541

Stenosis, Tracheal
Assessment of current techniques for determining tracheal luminal stenosis in dogs [ML Huber et al], 1051

Stifle *see* Joint, Genual

Storage
Room temperature storage and cryopreservation of canine platelet concentrates [K Allyson et al], 1338

Streptococcus agalactiae
Diversity of *Streptococcus agalactiae* and *Staphylococcus aureus* ribotypes recovered from New York dairy herds [AL Rivas et al], 482

Stress
Cortisol suppression in cats after induction of anesthesia with etomidate, compared with ketamine-diazepam combination [PF Moon], 868
Secondary stress responses to acute handling stress by striped bass (*Morone saxatilis*) and hybrid striped bass (*Morone chrysops* x *Morone saxatilis*) [KJ Reubush et al], 1451

Struvite
Effects of choreito and takushya consumption on in vitro and in vivo struvite solubility in cat urine [CAT Buffington et al], 150

Sucralfate
Clinical evaluation of cimetidine, sucralfate, and misoprostol for prevention of gastrointestinal bleeding in dogs undergoing spinal surgery [SM Hanson et al], 1320

Summer Pasture
Quantification of antigen-specific antibody concentrations in tracheal lavage fluid of horses with summer pasture-associated obstructive pulmonary disease [TL Seahorn et al], 1408

Surfactant
Effect of transportation on the composition of bronchoalveolar lavage fluid obtained from horses [S Hobo et al], 531

Surgery
Comparison of radiography, magnetic resonance imaging, and surgical findings in dogs with elbow dysplasia [FR Snaps et al], 1367

Surgery, Spinal
Clinical evaluation of cimetidine, sucralfate, and misoprostol for prevention of gastrointestinal bleeding in dogs undergoing spinal surgery [SM Hanson et al], 1320

Swallow
Use of a breath test to determine the fate of swallowed fluids in cattle [LW McLeay et al], 1314

Sweat
Use of dew-point hygrometry, direct sweat collection, and measurement of body water losses to determine sweating rates in exercising horses [JK Kingston et al], 175

Sweet Potatoes
In vitro effects of an acidic by-product feed on bovine teeth [GM Rogers et al], 498

Swine
Effect of continuous venovenous hemofiltration on cardiopulmonary function in a porcine model of endotoxin-induced shock [ED Murphey et al], 408
Craniad migration of differing dosages of new methylene blue injected into the epidural space after death of calves and juvenile pigs [MJ Lopez et al], 786
Ultrasound biomicroscopy of globes from young adult pigs [LR Bartholomew et al], 942
Comparison of the PK(15)- and WEHI 164 (clone 13)-based bioassays for the detection of porcine tumor necrosis factor [NM Boury et al], 1115
Isolation and expression of a porcine lactoferrin gene [S-R Wang et al], 1152
Noninvasive monitoring of the fetal heart rate during the last ten days of gestation in sows [S Cohen et al], 1285
Pulmonary and neutrophil responses to priming effects of platelet-activating factor in pigs [KT Kruse-Elliott], 1386

Swine, Diseases
Induction of dual infections in newborn and three-week-old pigs by use of two plaque size variants of porcine reproductive and respiratory syndrome virus [BK Park et al]
Effects of modified-live virus vaccine against porcine reproductive and respiratory syndrome in boars [J Christopher-Hennings et al], 40
Active and passive immune responses to transmissible gastroenteritis virus (TGEV) in swine inoculated with recombinant baculovirus-expressed TGEV spike glycoprotein vaccines [DI Shoup et al], 242
Prevalence of intestinal chlamydial infection in pigs in the midwest, as determined by immunoperoxidase staining [JC Nietfield et al], 260
Influences of breed, sex, and susceptibility to malignant hyperthermia on lipid composition of skeletal muscle and adipose tissue in swine [S Hartmann et al], 738
Airborne transmission of *Actinobacillus pleuropneumoniae* and porcine reproductive and respiratory syndrome virus in nursery pigs [M Torremorrell et al], 828
Use of jugular venous blood, compared with mixed venous blood, for measurement of venous oxygenation indices in a porcine model of endotoxic shock [JS Wohl et al], 910
Field trial to evaluate the immunogenicity of pseudorabies virus vaccines with deletions for glycoproteins G and E [LD Firkins et al], 976
Effects of acute endotoxemia on serum somatotropin and insulin-like growth factor I concentrations in prepubertal gilts [W Hevener et al], 1010
Induction of gross and microscopic lesions of porcine proliferative enteritis by *Lawsonia intracellaris* [LA Joens et al], 1125
Correction: 1192
Diagnosis of trichinellosis in swine by enzyme immunoassay, using a synthetic glycan antigen [HR Gamble et al], 1417

Swine, Drugs and Treatment
Actions of xylazine in young swine [IA Gomez de Segura], 99
Oral administration of tylosin phosphate for treatment and prevention of proliferative enteropathy in pigs [S McOrist et al], 136
Effects of thermal environment on response to acute peripheral lipopolysaccharide challenge exposure in neonatal pigs [JJ Klir et al], 364
Effect of growth hormone or chromium picolinate on swine metabolism and inflammatory cytokine production after endotoxin challenge exposure [MJ Myers et al], 594

Synovial Fluid
Synovial fluid interleukin 6, tumor necrosis factor, and nitric oxide values in dogs with osteoarthritis secondary to cranial cruciate ligament rupture [CW Hay et al], 1027
Effects of intravenous administration of sodium hyaluronate on carpal joints in exercising horses after arthroscopic surgery and osteochondral fragmentation [CE Kawcak et al], 1132

Synovitis
Kinetic gait analysis assessment of meloxicam efficacy in a canine sodium urate-induced synovitis model [AR Cross et al], 626

T

Temperature
Effects of temperature on hematologic and serum biochemical profiles of hybrid striped bass (*Morone chrysops x Morone saxatilis*) [TC Hrubec et al], 126
Attempted immunization of cats with feline infectious peritonitis virus propagated at reduced temperatures [CW Baldwin et al], 251

Tendons
Effect of maturation and aging on the histomorphometric and biochemical characteristics of equine superficial digital flexor tendon [C Gillis et al], 425

Tenectomy
Effect of bilateral tenectomy of the tensor veli palatini muscle on soft palate function in horses [SJ Holcombe et al], 317

Thrombospondin
Identification of thrombospondin as a high molecular mass protein released from activated equine platelets [DL Lipscomb et al], 954

Tibia
Biochemical, histochemical, and immunohistochemical characterization of distal tibial osteochondrosis in horses [JD Lillich et al], 89

Ticks
Epidemiologic evaluation of the risk factors associated with exposure and seroreactivity to *Bartonella vinsonii* in dogs [BL Pappalardo et al], 467

Tissue Factors
Role of tissue factor in intra-alveolar fibrin deposition and coagulopathy associated with pneumonic pasteurellosis in cattle [J Rashid et al], 28

Tooth Enamel
In vitro effects of an acidic by-product feed on bovine teeth [GM Rogers et al], 498

Toxicoses
Linkage of a microsatellite marker to the canine copper toxicosis locus in Bedlington Terriers [V Yuzbasiyan-Gurkan et al], 23
Letter: 568

Hematologic and systemic toxicoses associated with carboplatin administration in cats [KA Hahn et al], 677

Trachea
Muscarinic hyperresponsiveness of antigen-sensitized feline airway smooth muscle in vitro [RW Mitchell et al], 672
Assessment of current techniques for determining tracheal luminal stenosis in dogs [ML Huber et al], 1051

Tracheal Wash
Nucleic acid amplification for rapid detection of *Rhodococcus equi* in equine blood and tracheal wash fluids [DC Sellon et al], 1232

Training
Effects of training on the development of exercise-induced arterial hypoxemia in horses [RM Christley et al], 653

Transferrin
Scintigraphic biodistribution and plasma kinetics of indium 111-labeled transferrin in dogs [CR Berry et al], 1188

Transmissible Gastroenteritis Virus
Active and passive immune responses to transmissible gastroenteritis virus (TGEV) in swine inoculated with recombinant baculovirus-expressed TGEV spike glycoprotein vaccines [DI Shoup et al], 242

Transport
Effect of transportation on the composition of bronchoalveolar lavage fluid obtained from horses [S Hobo et al], 531

Trichinella spiralis
Diagnosis of trichinellosis in swine by enzyme immunoassay, using a synthetic glycan antigen [HR Gamble et al], 1417

Triiodothyronine
Alterations in specific activity of glucose-6-phosphatase in laboratory rats after leptospiral exposure followed by triiodothryronine administration [C Dobrosielski-Vergona], 143

Tromethamine
Acid-base, metabolic, and hemodynamic effects of sodium bicarbonate or tromethamine administration in anesthetized dogs with experimentally induced metabolic acidosis [PF Moon et al], 771
Effects of tromethamine buffer on coagulation variables and ionized calcium concentration in dogs [PF Moon et al], 777

Troponins
Deficiencies of myocardial troponin-T and creatine kinase MB isoenzyme in dogs with idiopathic dilated cardiomyopathy [PJ O'Brien], 11

Tumor Necrosis Factor
Synovial fluid interleukin 6, tumor necrosis factor, and nitric oxide values in dogs with osteoarthritis secondary to cranial cruciate ligament rupture [CW Hay et al], 1027
Comparison of the PK(15)- and WEHI 164 (clone 13)-based bioassays for the detection of porcine tumor necrosis factor [NM Boury et al], 1115

Turbidometry
Development of an automated turbidimetric immunoassay for quantification of bovine serum immunoglobulin G [LR Etzel et al], 1201

Turkeys
Intrastrain variation of lipopolysaccharide of *Pasteurella multocida* in turkeys [SL Coy et al], 755
Cardiopulmonary and anesthetic effects of propofol in wild turkeys [J Schumacher et al], 1014

Tylosin
Oral administration of tylosin phosphate for treatment and prevention of proliferative enteropathy in pigs [S McOrist et al], 136

U

Ultrasonic Diagnosis
Use of Doppler ultrasonography to evaluate renal arterial blood flow in horses [KL Hoffmann et al], 697
Use of transabdominal ultrasound-guided amniocentesis for detection of equid herpesvirus 1-induced fetal infection in utero [KC Smith et al], 997
Measurement of cyclic variation in ultrasonic integrated backscatter in conscious, unsedated, clinically normal dogs [VL Fuentes et al], 1055

Ultrasonography *see* **Ultrasonic Diagnosis**

Urate
Kinetic gait analysis assessment of meloxicam efficacy in a canine sodium urate-induced synovitis model [AR Cross et al], 626

Urethral Pressure
Effect of intra-abdominally induced pressure on the urethral pressure profiles of healthy and incontinent bitches [R Theus et al], 535
Simultaneous diuresis cysto-urethrometry and multi-channel urethral pressure profilometry in female dogs with refractory urinary incontinence [RF Nickel et al], 691

Urinary Continence
Simultaneous diuresis cysto-urethrometry and multi-channel urethral pressure profilometry in female dogs with refractory urinary incontinence [RF Nickel et al], 691

Urine
Effects of time and dilution on concentration of xanthine in frozen urine and plasma of dogs [JW Bartges et al], 118
Effects of choreito consumption on urine variables of healthy cats fed a magnesium-supplemented commercial diet [CAT Buffington et al], 146
Effects of choreito and takushya consumption on in vitro and in vivo struvite solubility in cat urine [CAT Buffington et al], 150
Urine N-acetyl-ß-N-glucosaminidase activity in healthy cattle [R Sato et al], 1197

Uterine Fluid
Determination of concentration of albendazole sulfoxide in plasma and uterine fluid of heifers [SE Piscopo et al], 62

Uterine Tube
Role of carbohydrates in the attachment of equine spermatozoa to the uterine tubal (oviductal) epithelial cells in vitro (Pub November 1996, p 1635)
Letter, 4
Distribution of glycoconjugates in the uterine tube (oviduct) of horses [BA Ball et al], 816

Uterus
Use of transabdominal ultrasound-guided amniocentesis for detection of equid herpesvirus 1-induced fetal infection in utero [KC Smith et al], 997

V

Vaccination
Effects of modified-live virus vaccine against porcine reproductive and respiratory syndrome in boars [J Christopher-Hennings et al], 40
Active and passive immune responses to transmissible gastroenteritis virus (TGEV) in swine inoculated with recombinant baculovirus-expressed TGEV spike glycoprotein vaccines [DI Shoup et al], 242
Attempted immunization of cats with feline infectious peritonitis virus propagated at reduced temperatures [CW Baldwin et al], 251
Safety and efficacy of an avirulent live *Salmonella choleraesuis* vaccine for protection of calves against *Salmonella dublin* infection [BC Fox et al], 265
Comparison of selected canine vaccines for their ability to induce protective immunity against canine parvovirus infection [LJ Larsen et al], 360
Safety and immmunogenicity of *Brucella abortus* strain RP51 vaccine in pregnant cattle [MV Palmer et al], 472
Protective vaccination of ferrets against canine distemper with recombinant pox virus vaccines expressing the H or F genes of rinderpest virus [L Jones et al], 590
Repeated physical and cytologic characterizations of subcutaneous postvaccinal reactions in cats [AE Schultze et al], 719
Protection of dogs against canine distemper by vaccination with a canarypox virus recombinant expressing canine distemper virus fusion and hemagglutination glycoproteins [MC Pardo et al], 833
Efficacy of a subcutaneously administered, ultraviolet light-killed *Pasteurella multocida* A:3-containing bacterin against transthoracic challenge exposure in goats [CW Purdy et al], 841
Comparison of whole-cell antigens of pressure- and formalin-killed *Flexibacter columnaris* from channel catfish *(Ictalurus punctatus)* [JA Bader et al], 985
Safety and efficacy of a mutagen-attenuated Rift Valley fever virus vaccine in cattle [JC Morrill et al], 1104
Safety of a mutagen-attenuated Rift Valley fever virus vaccine in fetal and neonatal bovids [JC Morrill et al], 1110

Vaccines
Evaluation of an animal rabies vaccine by use of two types of potency tests [GM Baer], 837
Effects of oral or intravenous inoculation with the vaccine *Brucella abortus* strain RB51 in Beagles [MV Palmer et al], 851
Field trial to evaluate the immunogenicity of pseudorabies virus vaccines with deletions for glycoproteins G and E [LD Firkins et al], 976

Vaccine Viruses
Protective vaccination of ferrets against canine distemper with recombinant pox virus vaccines expressing the H or F genes of rinderpest virus [L Jones et al], 590

Valacyclovir
Effects of valacyclovir in cats infected with feline herpesvirus 1 [MP Nasisse et al], 1141

Vasoactive Agents
Effects of certain vasoactive agents on the long-term pattern of blood pressure, heart rate, and motor activity in cats [SA Brown et al], 647

Ventilation
Ventilatory effects of the single-breath CO_2 test, compared with eructation, in cattle [F Rollin et al], 310

Vertebral Column
Developmental variation in lumbosacropelvic anatomy of Thoroughbred racehorses [KH Haussler et al], 1083

Veterinary Research News
The Research Community, 5, 116, 209, 332, 445, 571, 688, 798, 937, 1181, 1356
From the AVMA, 6, 209, 332, 445, 689, 797, 936, 1183, 1356
Proposals, Abstracts Invited, 6, 117, 571, 798
Research Dollars Awarded, 6, 210, 332, 571, 689, 937
Research in Progress, 117, 689, 797, 1181
Invitations, 332, 445, 937, 1181
Legislative Actions, 332
Research Results, 332, 1356

Virus Isolation
Comparison of nested polymerase chain reaction, virus isolation, and fluorescent antibody testing for identifying feline herpesvirus in cats with conjunctivitis [J Stiles et al], 804

Vision
Effect of optical defocus on visual acuity in dogs [CJ Murphy et al], 414

Vitreous Body
Vitreous body glutamate concentration in dogs with glaucoma [DE Brooks et al], 864

von Willebrand Factor
Plasma von Willebrand factor activity in Thoroughbreds in response to high-intensity treadmill exercise [JM Smith et al], 71

W

Water Content, Total Body
Measurement of total body water content in horses, using deuterium oxide dilution [FM Andrews et al], 1060

Water Quality
Effects of ammonia and nitrate concentration on hematologic and serum biochemical profiles of hybrid striped bass (*Morone chrysops x Morone saxatilis*) [TC Hrubec et al], 131

X

Xanthine
Effects of time and dilution on concentration of xanthine in frozen urine and plasma of dogs [JW Bartges et al], 118

Xylazine
Actions of xylazine in young swine [IA Gomez de Segura], 99
Effects of a carfentanil-xylazine combination on cardiopulmonary function and plasma catecholamine concentrations in female bongo antelopes [J Schumacher et al], 157

Z

Zinc
Serum concentrations of zinc and copper in Bull Terriers with lethal acrodermatitis and tail-chasing behavior [Y Uchida et al], 808